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A.P.W. LIVINGSTON'S  
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SEED  
ANNUALS

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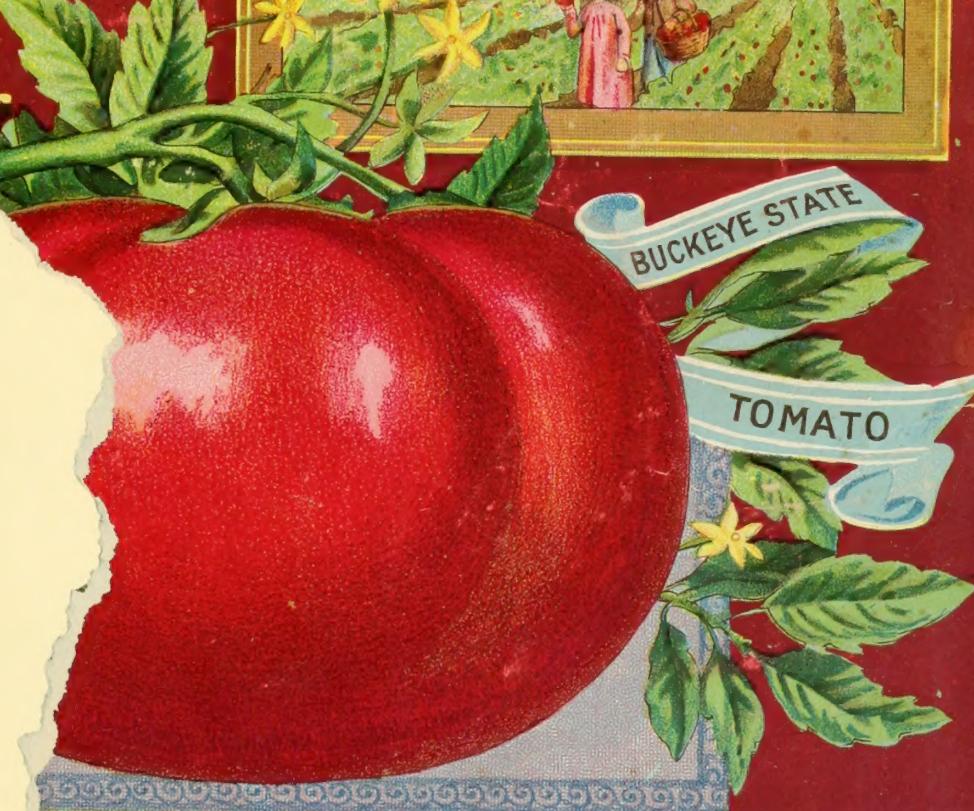
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GOLD BALL



BUCKEYE STATE

TOMATO



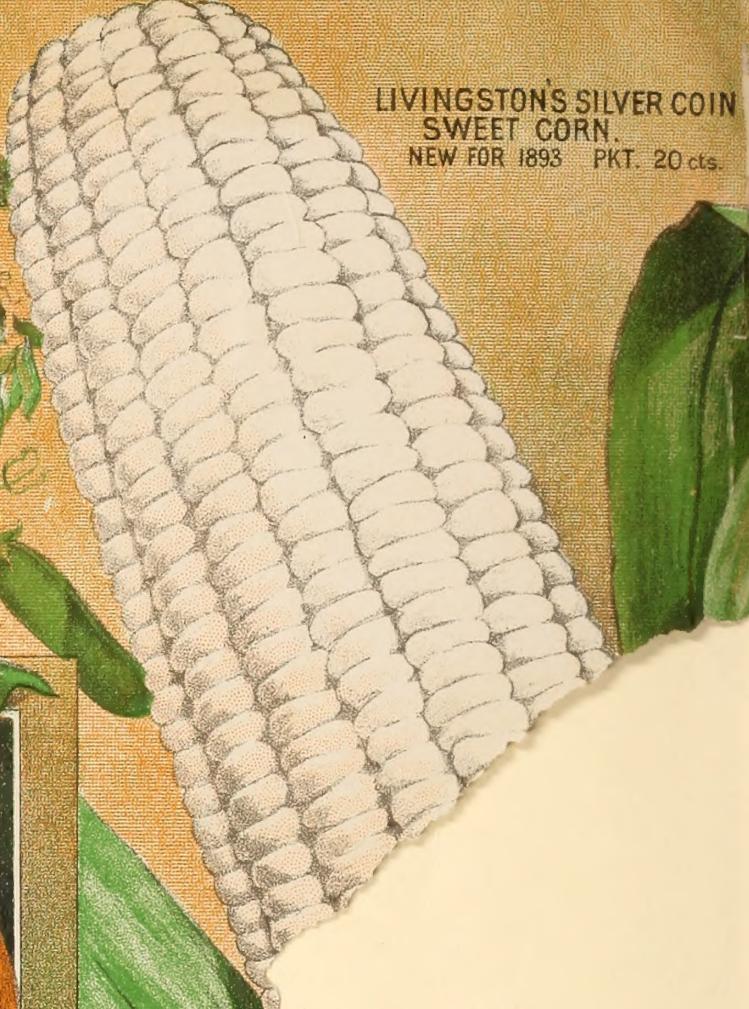
Columbus.  
OHIO  
U.S.A.

LIVINGSTON'S FIRST IN MARKET  
PEAS.

PKT. 10 cts.

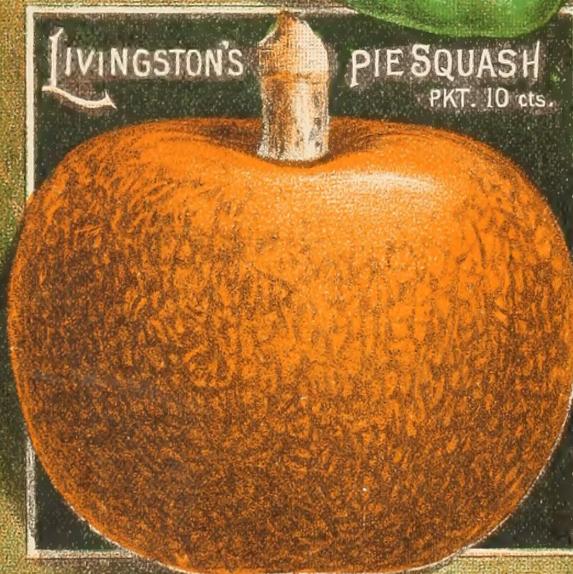


LIVINGSTON'S SILVER COIN  
SWEET CORN.  
NEW FOR 1893 PKT. 20 cts.



LIVINGSTON'S  
PIE SQUASH

PKT. 10 cts.



CUCUMBER.  
LIVINGSTON'S EVERGREEN  
PKT. 10 cts.



The Space below is for remarks about your order and for addresses of market gardeners or others whom you think would like to have our Catalogue. Any other necessary correspondence should be given on a separate sheet.

# Livingston's True Blue Seeds.

In preparing this **Columbian Edition** of our **Seed Annual** it has been our aim to make it A RELIABLE GUIDE to those wishing a supply of Vegetable, Flower and other Seeds, Bulbs, Plants, Tools, etc. We have endeavored to avoid misleading descriptions and exaggerations about the various varieties offered, and to show how easy a supply of **TRUE BLUE SEEDS** can be selected and obtained, even by new beginners, as well as how to plant and how to grow them so that rejoicing may be expected and is assured at harvest time. By faithfully carrying out such methods as always **supplying the best of its kind, promptly filling orders exactly as ordered**, or returning the money, giving customers **liberal treatment** and avoiding all **OLD FOGLY RUTS**, our trade has been permanently increased from year to year until we control one of the best trades in this country among Market Gardeners, Tomato Packers and other growers. **SELF GLORIFICATION** we have left out as much as possible, because we consider it poor taste, and know the intelligent GROWING public are disgusted with the superabundant quantity of downright nonsense dished up in some of the Seed Catalogues of the day. We prefer to devote such space to **EXPRESSIONS OF PRAISE FROM CUSTOMERS**, which will be found here and there throughout the catalogue.

## IMPORTANT TO INTENDING PURCHASERS.

### LOCATION AND SHIPPING FACILITIES.

**COLUMBUS**—Over 100,000 inhabitants—the largest city in the world bearing the name of the discoverer of the grandest country in the world, is very centrally located geographically, has sixteen railroads, four Express Companies, two Telegraph Companies and Telephone wires in all directions; hence, we have unequalled facilities for receiving orders, shipping and procuring lowest rates to all parts of the country; besides you have the assurance of getting your orders in the quickest possible time. **Within twenty-four hours time we can reach two-thirds of the population of the United States.**

### ALWAYS USE THE ORDER SHEET

and Envelope sent with the Catalogue, when possible. Write plainly, keep a copy of your order and be sure to sign your Name, Post-Office, County and State, EVERY TIME YOU WRITE TO US.

**THIS CATALOGUE** Please show this Catalogue to your friends, and if you should receive an extra copy be kind enough to hand it to some neighbor interested in seeds; he will be glad to get it. We will be glad to send a copy FREE to any of your friends in this or any other country likely to want seeds. In return we will ask you to speak a good word for us to your friends and neighbors. An order this season, no matter how small, secures our Catalogue for next, as soon as issued.

**IT IS IMPORTANT** to order as soon after you get the Catalogue as convenient, then you will have your seeds at hand for planting when you want them; besides, if you want heavy seeds in large quantities, they can be sent by freight very much cheaper than by express. **Small Orders**, however, can often be sent by express as cheaply. When goods are to be shipped by freight or express, give plain shipping directions; otherwise we use our best judgment in regard to the matter.

**OUR PRICES.** In comparing our mail prices, especially on heavy seeds, such as Peas, Beans and Corn, by the quart and pint, and other seeds by the pound and one-fourth pound, you must BEAR IN MIND THAT WE PAY THE POSTAGE

**HOW TO SEND MONEY.** Cash should always accompany the order. Remittances may be made at our risk by either of the following five methods:—(1st and best)—Post-Office Order; (2)—Draft on New York; (3)—Express Co's Money Order; (4)—Cash by Express in amounts not less than \$5.00; (5)—Registered Letters. When money cannot be sent by either of the first four methods it may be sent enclosed in a Registered Letter. The rates charged for Post-Office Orders and Express Money Orders are now so low that this is the best way to remit where they can be obtained. We will bear the expense of sending money in either of the above ways.

**POSTAL NOTES** afford a cheap and convenient mode of remitting small sums, but without security, because they are payable to bearer.

**POSTAGE STAMPS** received same as cash for small orders if in good condition.

**SEEDS BY MAIL.** Sending seeds by mail is a very important branch of our business, and we are prepared to fill all orders promptly and correctly **the day they are received** in nearly all cases.

**SMALL ORDERS.** If you only want a single packet, do not hesitate to send for it. We take as much pains to fill small orders promptly and correctly as we do large ones.

ADDRESS ALL ORDERS TO

**A. W. LIVINGSTON'S SONS,**  
**COLUMBUS, OHIO, U. S. A.**

STORES { 114 NORTH HIGH ST.  
9, 11, 13 AND 15 E. LONG ST.

GREENHOUSES { 242 WEST  
STATE ST.

TRIAL GROUNDS { NORTH END NEIL AVE.  
ELECTRIC ST. CAR LINE.

### INDEX—FOR THE CONVENIENCE OF CUSTOMERS WE GIVE THIS CONDENSED INDEX.

PAGE	PAGE	PAGE	PAGE
Asparagus	17	Corn—Field	55
Artichoke	17	Corn—Sweet	27, 28
Beans	18, 19, 20, 51	Collards	22
Beets	21, 22	Herb Seeds	31
Bone Fertilizer	79	Horse Radish	31
Broom Corn	56	Insecticides	79
Broccoli	22	Kohl Rabi	31
Brussels Sprouts	22	Kale	30
Buckwheat	56	Lawn Fertilizer	57
Bulbs and Plants	76, 77, 78	Lawn Grass Seeds	57
Books	16	Lawn Mowers	80
Carrots	25	Lettuce	32, 33
Cabbage	23, 24	Leek	31
Cauliflower	22	Livingston's	48, 49, 2, 3, 8
Celery	26, 27	Tomatoes	58
Celeriac	27	Mangel Wurzel	21, 22
Clovers	57	Mustard	31
Corn Salad	25	Millets	78
Chicory	27	Pumpkin	52, 53
		Plant Collections	78
		Plant Bed Cloth	79
		Radish	44, 45
		Rhubarb	57
		Rose Collection	78
		Ruta Baga	51
		Star Collections	78
		Squash	46, 47
		Sweet Potatoes	54
		Spinach	46
		Salsify	46
		Sunflower	56
		Small Garden Tools	80
		Tomatoes	48, 49, 50
		Tree Seeds	56
		Turnip	51
		Vegetable Plants	51
		Watermelons	36, 37
		Whale Oil Soap	79
		Water Pots	80
		Weeders	80



# LIVINGSTON'S TRUE BLUE Novelties and Specialties for 1893.

**FELLOW GROWERS.**—We aim to offer in this department nothing but varieties of real merit and value, and such as are highly endorsed by your own class. **ALL AGREE** that the grower who secures **A GOOD THING** first is the one who gets the most money out of it. We consider **A WORD TO THE WISE SUFFICIENT**, and await your kind and liberal orders.

Respectfully,

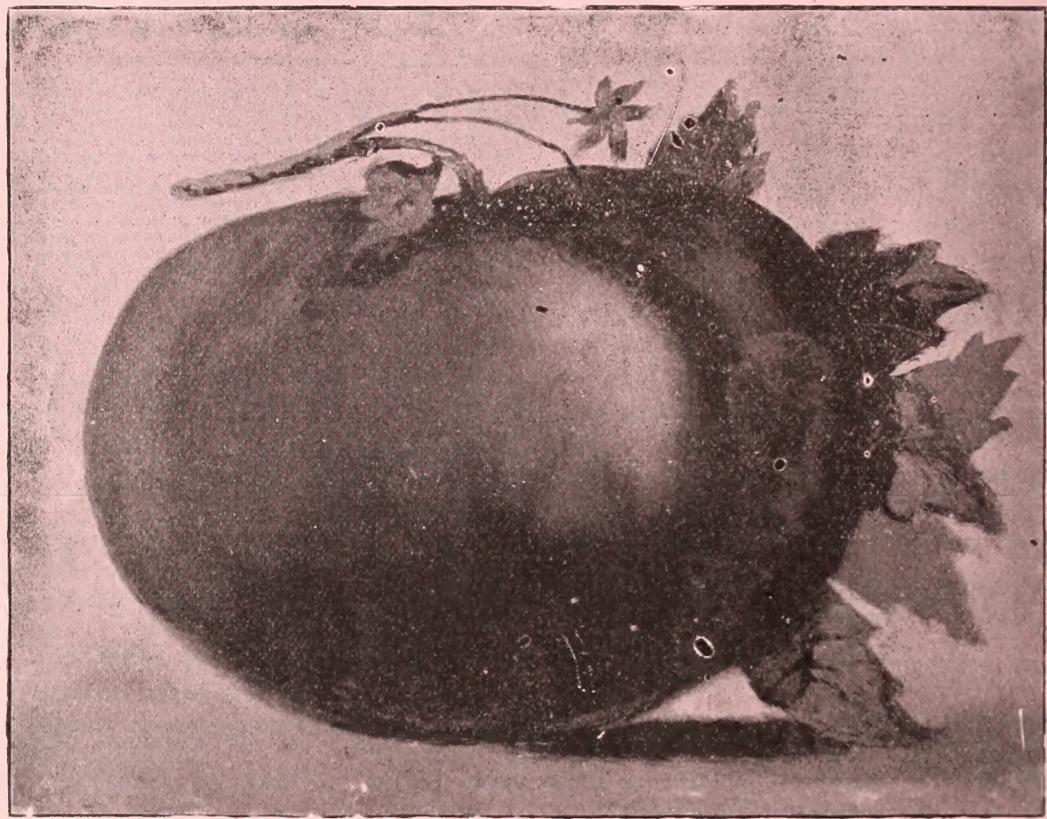
A. W. LIVINGSTON'S SONS,  
COLUMBUS, OHIO.

## Livingston's BUCKEYE STATE Tomato, "No. 10."

THE NEW BUCKEYE STATE  
TOMATO, which we now offer  
for the first time, has been

grown at our trial grounds here the past three years as **No. 10**, and is the largest fruited variety we have ever sent out. It averages at least double the size of **LIVINGSTON'S BEAUTY**. We have always held that no matter how large a sort may be, if it is rough and uneven it is of little, if any, value nowadays. Many mammoth sorts have been introduced of late, but on first trial, the Market Gardener rejects them as unfitted for his business, on account of their roughness, preferring not to grow simply monstrosities, which are of no value to his customers. When, therefore, we state that in addition to its very large size, it is also smooth and uniform, like all the other celebrated varieties introduced by us, we are sure we have said enough to enlist the attention of Tomato Growers everywhere. This is not all, however, for although its large size

**Billiton, Pa.**—(Feby 24, 1892)—"We have used your seeds for TEN YEARS and all kinds have been a success." **R. T. LEE.**  
**Hot Springs, So. Dakota.**—(Feby 26, 1892)—"The seeds I got of you came in good order and did well. They were clean, not mixed like a good many others." **W. T. ROE.**



**Salineville, O.**—(March 12, 1892)—"I have been using your 'TRUE BLUE Seeds' for seven or eight years. They have given entire satisfaction in every respect. Success to your every effort in introducing so many valuable tomatoes. They are GEMS OF MERIT.

might lead some to believe the fruits are few in number, yet the fact is, it is even more prolific and abundant than the standard sorts now in cultivation. It is unquestionably the heaviest cropper known. The tomatoes are borne in IMMENSE CLUSTERS of four to eight fruits, and occasionally ten large perfect fruits have been found on a single cluster. In time of ripening it matures with **LIVINGSTON'S STONE**. In solidity and quality, none surpass it. The color is much the same as our **BEAUTY**, but of a richer shade, and this, together with its very large and clear cut outlines, makes it very showy and striking. In shape it is a little thicker from blossom end to stem than most other sorts. The past season we grew this variety by the ordinary method, as well as on stakes, and they were the admiration of all who visited our grounds, and nearly every caller insisted on having "just one for seed," or to carry home to show friends. With the above characteristics, not one of which has been overpraised, it must be apparent to all that the **BUCKEYE STATE** will immediately take its place in the front rank and should therefore not be omitted from a single order. Do not simply experiment with this variety this season, (we have already done that for you), but order sufficient to grow a good portion of your 1893 crop. A grower bought 200 packets of our Stone Tomato the first season it was offered and found it a profitable investment.

**PRICE, (postpaid), Pkt., 20c.; 3 pkts., 50c.; 7 pkts., \$1.00.**

## LIVINGSTON'S NEW



## A NEW DWARF TOMATO.

## LIVINGSTON'S ARISTOCRAT.

THIS fine, new variety in habit of growth and foliage resembles the "DWARF CHAMPION" very much and might be taken for that popular variety if it were not for the color of its beautiful rich, glossy, red fruit, so much preferred in many localities to the purple or rose-colored varieties. The artist has failed to properly represent the foliage in the accompanying illustration. The size, solidity, productiveness, smoothness, flavor of its fruit, etc., is up to the present day standard of excellence. It will be found especially desirable for forcing under glass and growing outside for early market purposes. It may be planted 3x3 feet or even closer making it also suitable for small gardens, where every foot of land is to be utilized. When properly grown it is so smooth and round and its delicate tinted coat so glossy that it is entitled to the name "ARISTOCRAT." When ready for market its glistening coat, with a sprinkling of its own peculiar, dark, green foliage on top of the basket attracts the attention of every passer-by even at a long distance, like a red light. We have but a few ounces of the seed this season and can offer it in packets only. Pkt., 20c.; 3 pkts., 50c.; 7 pkts., \$1.00.

... LIVINGSTON'S ...

## LARGE ROSE PEACH TOMATO.

This sort originated with us and has all the general characteristics belonging to this singular and distinct class of Tomatoes, but is much larger than any peach variety yet brought out, averaging about with the Acme in size. We have grown it for several years on our trial ground here and are well pleased with it. We pronounce it *rot proof* because we have not observed a single specimen showing any sign of rot in the past three years of its growth. It is a profuse bearer until killed by repeated frost and has the agreeable mild flavor as well as the suffused coloring and the peculiar *peach-like bloom* on its surface. We presume that the texture of the skin accounts for its never rotting and we think for the same reason it would be well adapted for growing in certain hot climates where the ordinary tomato cannot be successfully grown. It is certainly *worthy of extended trial*. Pkt., 15c.; 2 pkts., 25c.; 10 pkts., \$1.00.

## Livingston's Gold Ball Tomato.

For illustration and description. See page 49 and front page of Catalogue cover.

Packet, 10c., ounce, 30c.; four ounces, \$1.00.

One Packet each of the above Tomatoes for 35 cts., including a Packet of BUCKEYE STATE, 50 cts. Postpaid.

## A NEW BOOK.

## Livingston

AND THE

## Tomato

Being the History of experiences in discovering the choice varieties introduced by the author with practical instruction for growers.

BY A. W. LIVINGSTON.

"Dame Nature rewards those who are not ashamed to be tied to her apron strings."

This new book is now about ready for the printer and will be delivered in from sixty to ninety days. Everybody knows our hobby, for the past thirty years has been *new varieties of Tomatoes* and that there is big money in tomatoes if you know how to get it out—that is what the book is for. A work of this kind has been needed for years and we have been asked frequently why we did not publish one on the subject. The demand has become so great of late we felt sure it would meet with ready sale and know it would if everyone could read a page or two of its contents. It will contain not less than 160 pages, and will be a thorough treatise of the subject in hand, and will be interesting as well as valuable to every grower. We have endeavored to make a *very readable book*, one that any person will enjoy reading even for pastime.

Orders received at any time and the book forwarded as soon as possible.

Bound in Cloth, \$1.00 (Postpaid.)

A BOOK will be sent FREE to all who order Seeds to the amount of \$10.00, or for every dollar's worth of seeds ordered 10 cents may be deducted from the price of the book. Thus, if your order amounts to \$3.00 deduct 30 cts., and send us 70 cts. for the book.



# LIVINGSTON'S TIP TOP NUTMEG MELON.

WE FIRST observed this new hybrid yellow-fleshed melon some years ago on the market in this city, and while its outside appearance did not attract so much attention, as some of the heavily netted sorts, at the same time, it would be noticed at first sight as a distinct melon by any one familiar with the various kinds. We have the pleasure of naming and introducing it and are offering it on its merits, and claim after years of trial selection and thorough test, that nothing equals it for *uniform good quality*. We make no exception, not even such general favorites as Osage, Miller Cream, Perfection, or Emerald Gem. Very good specimens are occasionally found among these well-known kinds, but the universal testimony of every one using the **TIP TOP**, is, that every fruit produced, whether big or little, early or late in the season, is a good one—sweet, juicy, finest flavor, firm but not hard fleshed, eatable to the very outside coating. A little history of this melon might be of interest to the reader. Several years ago a gentleman living in Lancaster County, Pa., discovered a peculiar melon growing in a neighbor's field, where various kinds were planted for market, among them Surprise, Hackensack, Jenny Lind and others. Out of curiosity, it was cut and tested for quality, with the result that all present were astonished at its excellence. When the above mentioned gentleman removed to Ohio, he brought, along with other good things from that model county of Pennsylvania, the seed of this variety. For three or four years it has been grown almost exclusively for one fancy vegetable stand in this city, and the prices obtained, even up to the past season, were always double that of other varieties of Muskmelons. When melons of ordinary kinds were bringing 10 to 20 cents each, the **TIP TOP** sold easily for 20 to 40 cents, and best specimens sold readily for 50 cents to those who knew the melon. The "corner" held heretofore by one grower of this melon, we now predict, is a thing of the past, for every melon grower about this city is bound to have "*a patch*" of the **Tip Top** in 1893. We christen this melon "**Tip Top**," and all will agree to the appropriateness of its name after a test. Growers elsewhere, who want a "corner" in their market on a good thing, should avail themselves of this opportunity, and secure a supply of the seed at once, as we expect a large demand for it from the local growers: **Packet, 10c.; ounce, 30c.; quarter-pound, \$1.00; pound, \$3.50.**

**The Grower of Tip Top, Writes:** MESSRS. LIVINGSTON'S SONS:—"In describing the **Tip Top Melon** I would briefly say that we have been growing it for the past six years and in the meantime have tested by its side nearly all the highly applauded varieties heralded by the multitude of seed catalogues presented to the public and invariably fall back to the **Tip Tip** as our standby. Its merits are, vigorous and healthy growth of vine, large and perfect fruit, exquisitely fine and uniform flavor, most attractive appearance when cut (color bright salmon) and when intelligently gathered will bear handling equal to any melon of equal size and weight, excepting **THE COLUMBUS**, which is an exceptional good keeper."

Respectfully yours,  
"Tip Top."

**From an Extensive Melon Seed Grower.** GENTLEMEN:—"You ask my opinion of the **Tip Top Melon**; it would be answered easiest and best by saying it is **Tip Top** in every particular. I have grown this melon for two years and I esteem its qualities so highly that out of the numerous kinds I annually grow, I select this kind to grow for the private use of my family. Its shape varies from round to slightly oblong; skin pale green; covered with a handsome netting; flesh, rich, deep, salmon color; sweet and spicy in flavor. The flesh being thick, fine grained and firm makes this an excellent shipping melon. For experiment I had a few specimens of this kind expressed a distance of some 300 miles, they were kept in a cool place and after two weeks from their receipt some of them were in an edible condition. This proves its value as a shipper."

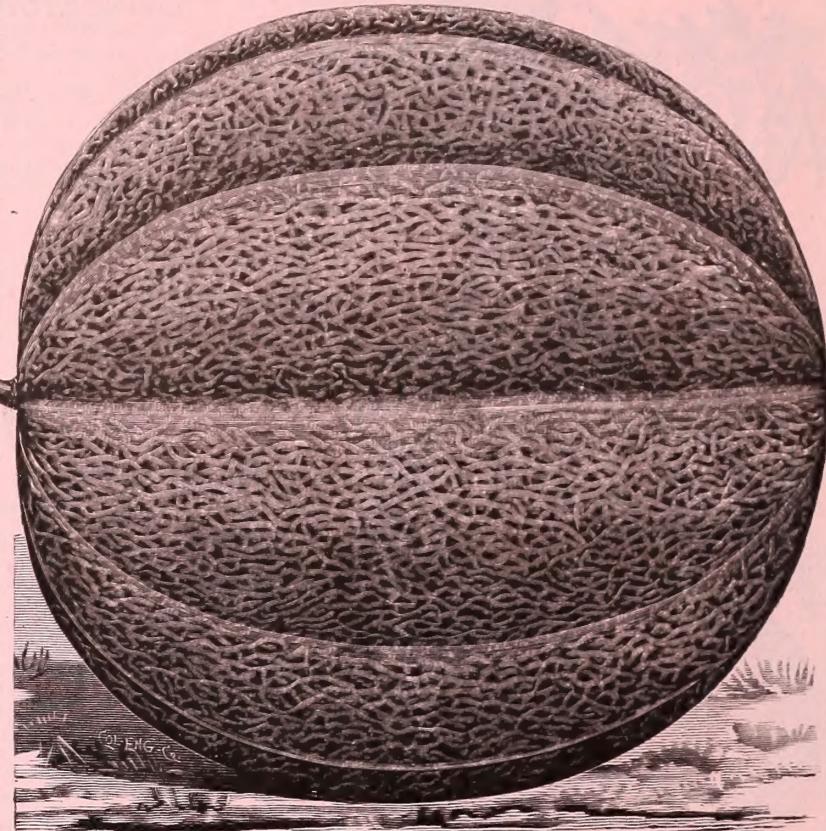
Yours truly,  
SEED GROWER.

**From a Market Melon Specialist.** DEAR SIRS:—"Having raised some over an acre of your **Tip Top Melons** the past year, I can say that that with "Livingston's Market" as a green-fleshed variety one would need nothing better to hit the taste of most any customer. They are also good growers."

L. C. S.

**From Two Columbus Epicures.** DEAR SIRS:—"The Nutmeg melon received of you proved even more delicious than its luscious external appearance would indicate. Its flesh *so rich in color and taste* extended from deep centre to rind, leaving nothing to be discarded excepting the thin rind and seeds."

Yours truly,  
JERRY P. B. AND D. D. MCL.



**SPECIAL  
NOVELTY  
COLLECTION.**

**FOR ONLY \$1.00**

we will send, Postage paid, one regular sized packet each of the following 14 splendid new Vegetables: at regular rates they amount to \$1.50.  
BUCKEYE STATE TOMATO, TURKISH DWARF MELON, LIVINGSTON'S SURPRISE RADISHES, EVERGREEN CUCUMBER, SILVER COIN and COUNTRY GENTLEMAN CORN, RUST PROOF WAX BEAN, ARLINGTON BEET, WHITE STAR LETTUCE, DWARF LIMA BEAN, GOLD BALL TOMATO, ALL HEAD and IDEAL CABBAGE, SHROPSHIRE PEA. This is a collection of Splendid Vegetables.

IN ORDERING PLEASE MENTION THAT YOU WANT THE \$1.00 NOVELTY COLLECTION.

In addition YOU MAY CHOOSE one paper of the following FLOWER SEEDS, either—**SUPERB ASTERS, FANCY PANSIES OR ANNUAL PINKS.** ALL CHOICE MIXTURES.

## LIVINGSTON'S NEW

\* SILVER COIN \*  
SWEET CORN.

We take great pride in offering this grand new Sweet Corn, which we believe has no peer in all around usefulness. The accompanying illustration shows an ear of Livingston's New **Silver Coin** Sweet Corn when fully shriveled and dry enough to shell readily. When in edible condition it is at least one-third larger. This plainly shows it to be a very large sort, but when we state that the stalks each produce usually two and occasionally three such ears, it will be seen what an immense cropper the new **Silver Coin** Corn is. It is remarkable, however, that although of such large size, it is fully as early as Stowell's Evergreen. It is also more prolific and the ears more uniformly well filled at the ends, and in the point of remaining long in edible condition it ranks with our now celebrated **Gold Coin**, and is the most profitable Corn that the CANNER can possibly grow.

The kernels are broad and deep and of pearly whiteness. The depth of kernel is aptly referred to by one admirer who says that "those who like to eat corn without gnawing a cob will hail the new **Silver Coin** with delight." In fact, considering the tender and luscious quality of this grand new Corn, together with its depth of kernel, it is really a luxury to secure it after eating ordinary kinds. Market Gardeners will find it to excel in two very important points. First—productiveness. Second—its splendid quality will secure and hold customers. *Postpaid*—Pkt., 20c.; 3 pkts. 50c.; 7 pkts. \$1.00.

## MELTING SUGAR PEAS.

## Edible Podded.

This new variety is ahead of all other Sugar Peas, not only in the size of pod and prolific bearing, but also for its delicious flavor. It grows to the height of five feet, bears a profusion of very large, broad, handsome, light green (nearly white) pods which are generally found in pairs, and are so brittle that they snap without any strings. Sweet and tender, and is cooked like wax beans. Last season we were compelled to return many orders for this excellent Pea, but we now have a fine stock in store with which to supply all orders entrusted to us.

PRICE: By mail (*postpaid*), pkt., 10c.; pint, 35c.; qt., 60c. By express, qt., 45c.; 2 qts., 80c.; 4 qts., \$1.50; peck, \$3.00.

**Kingsley, Fla.** (July 28, 1892).—"Your seeds are the best I ever used for market or family use, and I expect to get my seeds of you as long as I grow vegetables, for they come up well and do just as you say they will."—**Mrs. A. S.**



**Leesville, O.** (July 11, 1892).—"Have used your seeds for several years and am becoming more pleased with them each season that I use them. Your seeds and plants always come true to the catalogue descriptions and the amount of seed in each packet is generous."—**W. E. B.**

EUREKA



SQUASH

## LIVINGSTON'S NEW EUREKA SQUASH.

The flesh is very thick and fine grained, and whether baked, steamed or boiled is of extra fine quality. Its attractive appearance is also another strong point in its favor, being oblong or egg-shaped, tapering from the center to the poles, and a little inclined to be pointed at the blossom end. The outside color is a light grayish green, very handsome, and this, with its rough and uneven surface, at once indicates its good qualities for the table. An average sized specimen weighs from 20 to 25 pounds, and for a squash of this size is wonderfully prolific, a vigorous vine producing two and three large sized fruits at consecutive joints. In fact, where the vines are not too much crowded, it shows a tendency to produce fruit in pairs. When well matured its shell becomes quite hard, but not enough so that stock can not readily eat them. This feature, with its thick, rich, salmon-colored flesh, and prolificness, makes it specially desirable for feeding, at the same time being a most excellent table variety. We pronounce it AN EXCELLENT FARMER'S SQUASH, because it is profitable to grow for feed as well as for market purposes.

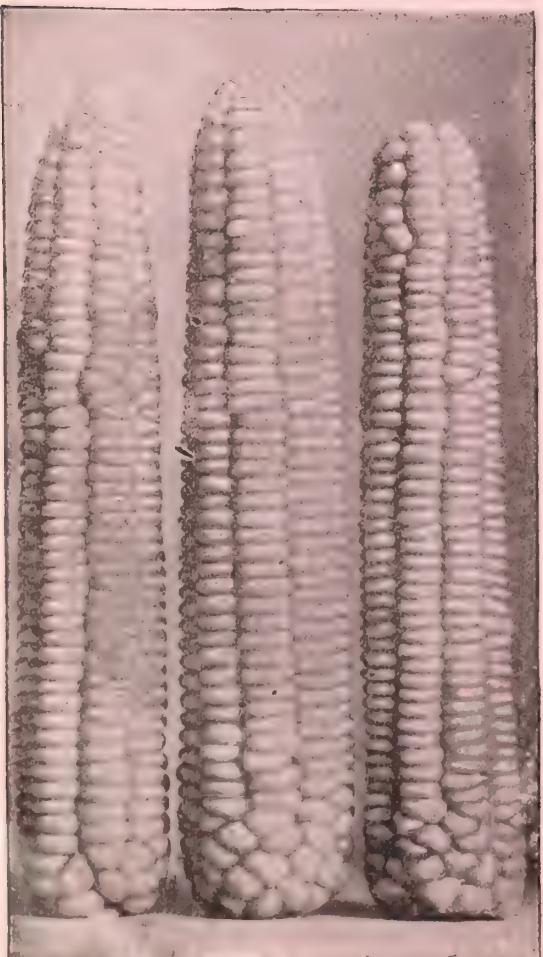
POSTPAID—Packet, 15 cts.; ounce, 25 cts.;  $\frac{1}{4}$  pound, 80 cts.; pound, \$3.00.

## Burlington Hybrid Table Corn

CALLED BY SOME SEEDSMEN A SWEET CORN.

Last winter our Mr. A. W. Livingston found this corn among the growers in Burlington Co., N. J., (a county celebrated for market gardening), where it has almost entirely superseded all others for extra early market. It is not a pure Sweet Corn, but as its quality is much better than the Adams, and its size and appearance away ahead of any Sweet Corn of its season, it will be seen that when it comes into market it practically has no competitor. There is a very lively competition in the Philadelphia markets, but this Corn led all other sorts of its season in earliness and quality. Being a cross between Adams' Extra Early and some pure variety of Sweet Corn, it combines extra earliness with fine quality. It cannot be told from Sweet Corn as the leaves on the husk resemble those of Sweet Corn. Its productiveness is a great ways in advance of Extra Early Adams, being taller and of more compact growth. The latter characteristic allows it to be planted closer together, and its length of stalk gives it room to bear from 3 to 4 good ears, which it almost invariably does. A grower friend of ours in Burlington Co., N. J., who has grown this sort a number of years, and who praises it enthusiastically, has saved us a quantity of stock seed and we offer it to our customers, believing that we have found a most valuable and profitable thing for them. Our friend writes that "it comes about two weeks earlier than any Sweet Corn, and on this account is almost exclusively grown by marketmen in this locality." No progressive Gardener should fail to try this Corn liberally.

By Mail, (postpaid)—Packet, 10c.; pint, 20c., quart, 40c. By Express—Quart, 20c.; 2 quarts, 35c.; peck, \$1.00; bushel, \$3.50.



THE NEW

**COLUMBUS MUSKMELON.**

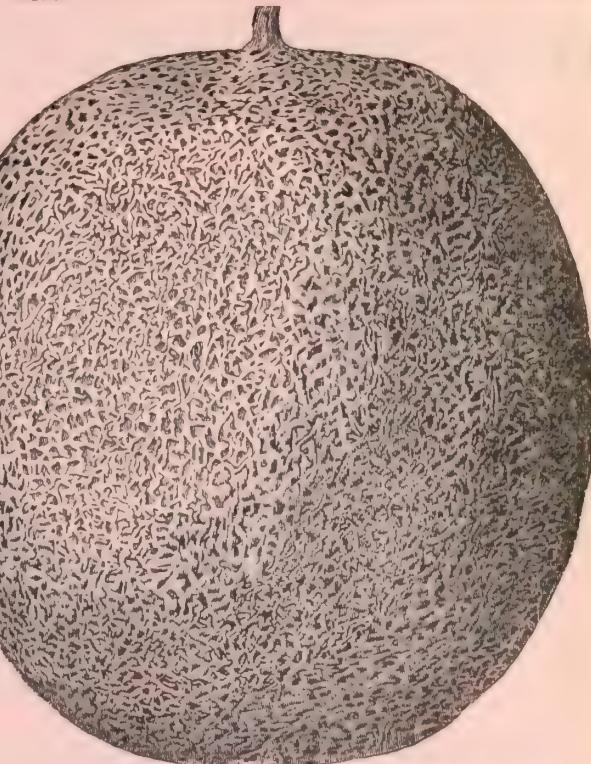
(NAMED AND INTRODUCED BY US IN 1892.)

THIS decidedly distinct and excellent melon we had the honor of naming and introducing the past season. It is a green-fleshed, general crop variety, ripens with Hackensack and is a very heavy yielder. The vines are strong and thrifty and the melons if left on the vines a week after they are ripe and ready to pick still retain their good quality. It is strikingly distinct from other Muskmelon in shape, color and general markings, and no melon in existence will compare with it as a LONG KEEPER, that we ever grew and we test all kinds as fast as sent out by the various seed house and melon growers. Its beautiful buff skin is covered with a very thick whitish netting. It is almost entirely free from ribs or seams. The flesh is very solid and thick even at the blossom end and leaving only a small seed cavity, never bursts open at either end and can be safely shipped long distances in barrels or other large packages. Its attractive appearance insures ready sale in any market and its good table qualities will create at once a lively demand from customers. Postpaid, Packet, 10c.; ounce, 20c.; quarter-pound, 60c.; pound, \$1.75.

READ THE OPINION OF THE FOLLOWING  
GROWERS AND CONSUMERS.

**From an Extensive Grower and Shipper.** GENTLEMEN: — "Our field of **Columbus Melon** was a sight worth seeing; the ground being literally covered with large Cream Melons. We pronounce them one of the finest melons to eat there is grown and we know there is no melon that will stand shipping as long a distance as the Columbus."

**Hon Albert Woodcock, Ex-United States Consul to Sicily,** writes:—"The best Muskmelon I have ever eaten."



**Tunkhannock, Pa.,** Sept. 23, 1892. — "The Columbus Muskmelon is splendid. You can't say too much in its favor. We have been having them in abundance for two weeks from seed sown in July and from seed sown earlier in frame by itself. I have just picked one two feet in circumference." — F. P. AVERY.

**Mr. Daniel Etnire, Pres. of the First Nat. Bank, Oregon, Ill.,** writes:—"I have been supplied with the Columbus Melon for the last two years, and I must say I have never found such melons anywhere. We used them every meal and they cannot be recommended too highly."

**Improved LONG DIXIE Watermelon.**

See Illustration on Third Page of Catalogue Cover.

**A** DECIDED improvement over the original Dixie introduced three years ago, and which has given such good satisfaction among shippers, even surpassing the universal favorite, Kolb's Gem. This improved Dixie is longer and larger; hence more desirable for shipping; it loads well and presents a good appearance in the car or when exposed for sale. It is darker and more beautifully striped than the well-known Kolb's Gem. While none surpass it for shipping, few if any equal it for the table; the flesh being very red, sweet and juicy, it is all that can be desired in quality, flavor, etc. We wish to call the shipper's attention to the fact that this melon will *hold* after it is ripe for days and still retain its excellent qualities. This is a decided advantage because the melons may be left to ripen on the vines or may be detained while en-route to market, as is often the case, and still bring the highest market prices when offered for sale which is very satisfactory for both shipper and seller. Shippers who have had returns from cars of over-ripe melons will fully appreciate this point. One of the largest growers and shippers on the Mississippi River bottoms called our attention to this special feature the past season. He stated that Long Dixies after being picked and laid in the sun ten days would open juicy and of excellent quality and that he felt sure the whole crop could be allowed to ripen and gathered at one picking. The universal testimony runs thus:—"Excellent quality, better than Peerless or Icings." Postpaid, pkt. 5c.; oz. 10c.; 1 lb. 35c.; lb. \$1.25; 3 lbs. \$3.25; 5 lbs. \$5.00.

**Muscatine, Iowa,** Dec. 19, 1892. — "We shall want **Long Dixie Watermelon Seed** enough to plant 100 acres this year. It is one of the finest melons to eat there is grown and ships as well as Kolb's Gem. When we send Dixie they all say send same kind we had before," — H. M. S.

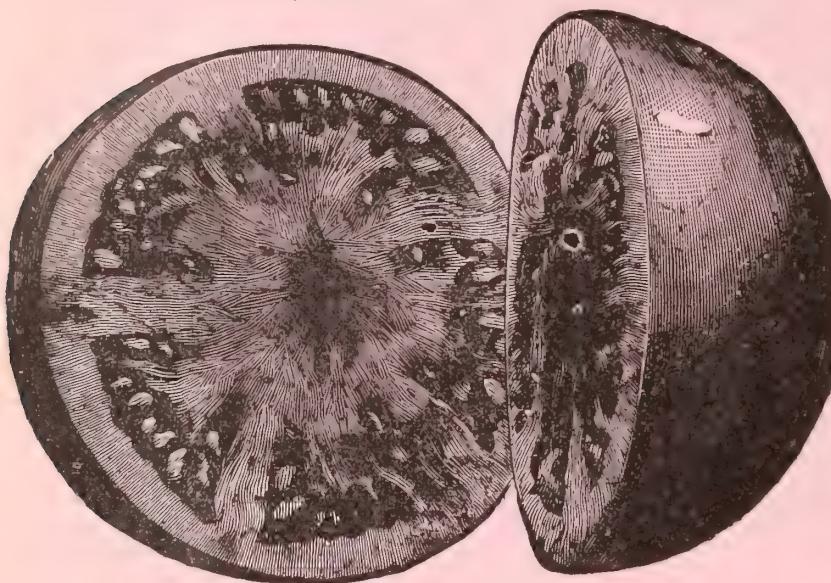
**ORNAMENTAL POMEGRANATE.**

Grows on a pretty vine, its handsome fruit is a lemon-yellow striped and sometimes spotted with dark orange, varying from the size of a small peach to that of an orange. Very fragrant, sweetly perfuming a room with their pleasant odor for days. Very prolific and easily grown. **Packet, 10 cents; three packets, 25 cents.**



# LIVINGSTON'S ROYAL RED TOMATO.

INTRODUCED BY US IN 1892



## LIVINGSTON'S EVERGREEN Cucumber.

In 1890 we distributed free among our customers about 10,000 packets of a new Cucumber which was labeled "No. 35." As soon as they came into bearing, we began to be in receipt of any quantity of letters, all praising it in unstinted terms. This variety has since been thoroughly tested the country over, and was

Catalogued by several of the largest seedsmen in the country last season, and it is now generally admitted to be the best pickle sort offered, possessing, as it does, every qualification required in a perfect pickle cucumber. Very hardy and evergreen, withstands drouth, and bears until frost. One grower says it bears four to one compared with standard sorts. A very strong grower, but extra early and the best in flavor, bearing firm, crisp fruits, either for pickling or slicing.

PRICE (postpaid): Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.10; 3 lbs., \$3.00.

## LIVINGSTON'S EVERGREEN.



## LIVINGSTON'S PIE SQUASH.

This Pie Variety is exceedingly uniform in size and shape, and just the right size for retailing. It has been kept in one family for many years, and is preferred by them to any other for pies. The skin is about the color of a russet apple and quite attractive. The flesh is very thick, making them so heavy that they appear to be perfectly solid. It is sweet, very fine grained, and is unexcelled for making pies; also first rate for stewing. It is of great value to market gardeners, and we hope to see it generally distributed.

PRICE (postpaid): Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.35.

THIS is a princely variety, and worthy of a prominent position along side of its renowned royal predecessors already bearing the Livingston name, which are well and favorably known today by everybody, because they were all that was claimed for them, and even better than people expected. It is a first-class main crop variety for the shipper, marketer and private gardener, and not a single essential point is lacking.

Wherever Livingston's Royal Red was exhibited the past season, it easily carried off the Red Ribbon, and everybody was attracted by its VIVID RED COLOR and handsome general appearance, even when shown with collections of forty and fifty kinds. PRICE (postpaid): Pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.75.

Read the following letter:

Port Huron, Mich. (Nov. 17, 1892).—“GENTS: After giving your new Royal Red Tomato a thorough trial the past season, I cannot refrain from saying a few words in its praise. Have tested everything worthy of trial introduced within past 15 years, but for productiveness, smoothness, beauty and size of fruits there is nothing to compare with Royal Red. Have watched it closely and found not one point to score against it.

Yours truly, HIRAM PRESLEY.”



# LIVINGSTON'S IDEAL CABBAGE.

THIS is certainly one of the most magnificent strains of Winter Flat Dutch known to-day. By persistent selection, year after year, it has been brought to a state of perfection rarely, if ever, attained elsewhere. The large, solid heads, the low, short stems, the absence of useless foliage, the uniformity of size and shape, the reliability for heading, all combine to make this the **IDEAL Cabbage** for profit. Our seed of this Cabbage was grown from large, solid, fully matured heads, which were pulled in the fall, pitted during the winter, and set out last spring. This method is very expensive, and seed produced in this, the only true way, cannot be sold at a small price.

**HIGH PRICED, BUT CHEAPER.** We offer the following calculation to show Cabbage Growers how a few cents extra per acre in the first cost of seed will produce extra dollars at harvest time: Four ounces of **LIVINGSTON'S IDEAL WINTER**, costing \$1.00, will grow plants enough for an acre. Four ounces of cheap seed will cost 50 cents. Thus the extra cost of reliable seed is 50 cents per acre, a sum which appears very small at first sight; but it is absolutely ridiculous when you consider that 10 extra heads per acre, at the extremely low price of 5 cents per head, pays the difference. Moreover, with good cultivation, you can confidently expect to get from 500 to 1,000 more heads in number, and much more uniform in size and shape, than from any other strain with which we are acquainted. Thus, 50 cents extra, wisely invested in good seed, will produce, at the lowest calculation, from \$25.00 to \$50.00 at harvest time.

*Postpaid*—Packet, 10 cts.; ounce, 35 cts.;  $\frac{1}{4}$  pound, \$1.00; pound, \$3.75.

**Mr. Wm. Wagner, Ray's Crossing, Ind.**, writes:—"I can truthfully say that I just idolize your IDEAL WINTER CABBAGE. I have grown many strains of fine Winter Cabbage, but the "IDEAL" beats them all. It forms the prettiest and strongest plants I ever saw in any strain of Cabbage before, with heads remarkably large, tender and solid. In fact, it is all anyone could wish in a fall or winter cabbage. For my planting, I would not give an ounce of the "IDEAL WINTER CABBAGE" seed for a pound of any other strain of late cabbage seed I am acquainted with. It cannot be praised too highly."

# BURPEE'S ALL HEAD EARLY CABBAGE.

In offering this sort last season we gave the introducer's description, which stated that it was a week earlier than Early Summer. We made a very careful comparative test on our trial grounds of this variety, last summer, in comparison with a number of other sorts, and can fully endorse all the claims made for it, excepting we did not find it earlier than our strain of Early Summer. Customers also, so far as heard from, were well pleased with it. It is rightly called a thoroughbred sort on account of its remarkably uniform size and shape, and its reliability for heading. Efforts in selecting stock seed have constantly been made with a view of securing the largest early heads with the fewest loose leaves. The deep flat heads are *remarkably solid and uniform in color* as well as shape and size. The main feature of a good Cabbage is *TENDERNESS*, and in this respect it is not surpassed. While it is all that can be desired for earliness, it is also *valuable for a late Cabbage*, if sown in July, and plants set out about the middle of August. Set plants 18 inches apart in rows, with three feet between the rows for cultivation, and 9,680 plants can be set on the acre, *ninety-five per cent.* of which, in an ordinary season, and with reasonable cultivation, will make good merchantable heads.

Packet, 10c.;  $\frac{1}{2}$  ounce, 15c.; ounce, 25c.; Engraved from a Photograph  
 $\frac{1}{4}$  pound, 80c.; pound, \$3.00.

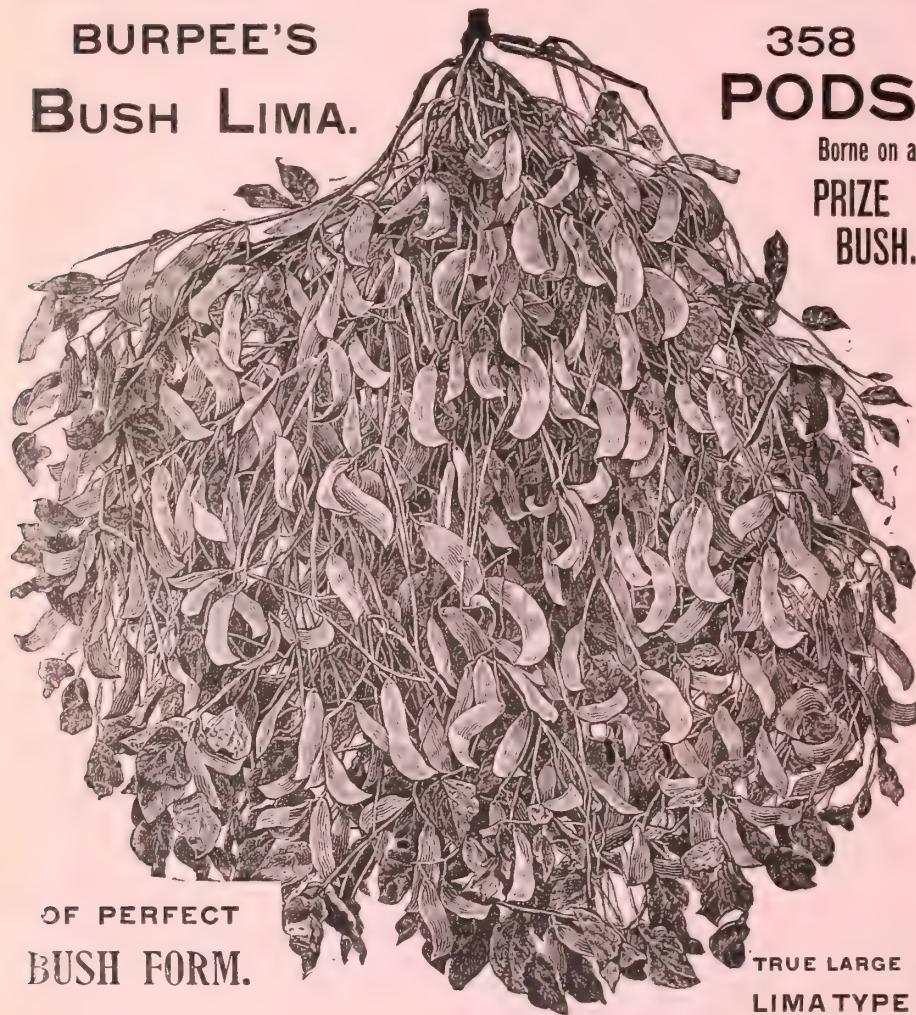


# Luxemburg, or Hard Heading Cabbage.

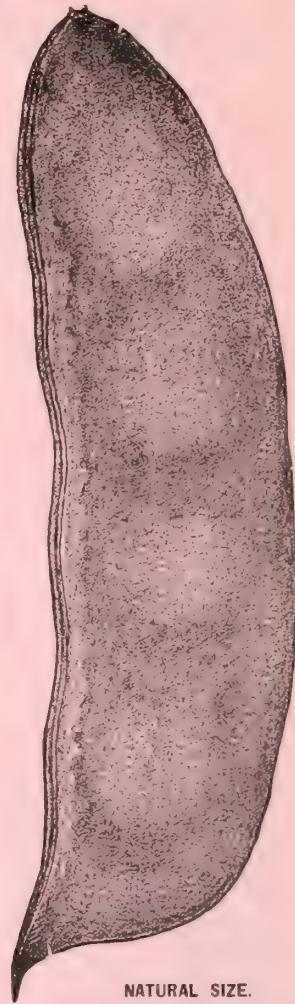
Largely grown about Chicago for the shipping trade. Several years ago it was brought into this country by a German gardener, who knew no name for it. It proved so valuable that the seed has been sold frequently at \$1.00 per ounce, and sometimes higher. It makes a **very hard head** of good size and extraordinary weight, and is remarkable for its **keeping qualities** when buried over winter. It is the best sort for late spring sales after all other sorts are gone, when it commands a high price, owing to its dark green color, size and quality. It is, no doubt, one of the **most profitable sorts to grow**, and every gardener should have it.

*POSTPAID*—Packet, 10c.;  $\frac{1}{2}$  ounce, 15c.; ounce, 25c.;  $\frac{1}{4}$  pound, 75c.; pound, \$2.75.

# BURPEE'S BUSH LIMA.



358  
PODS  
Borne on a  
PRIZE  
BUSH.



TRUE LARGE  
LIMA TYPE

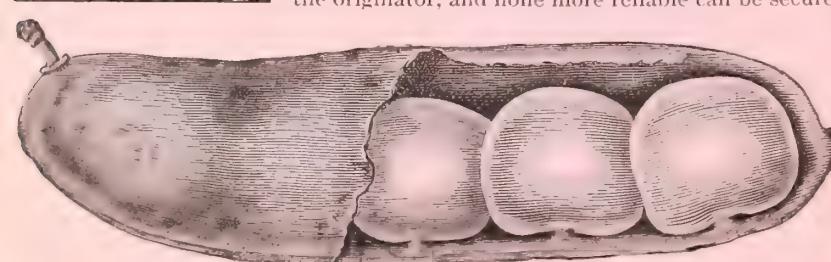
## THIS BUSH LIMA BEAN

is what has long been desired, but which growers hardly expected ever to obtain—a **perfect bush form** of the true luscious Large Lima Bean. Bushes grow from 18 to 20 inches high, of stout growth and always erect, yet branching so vigorously that each plant develops into a circular bush, from 2 to 3 feet in diameter. The leaves are of very large size and great substance. It is an immense yielder, each bush bearing from 50 to 200 of the hand-some large pods, well filled with **very large beans**, identical in size and flavor, to the well-known Large Pole Limas. Of incalculable value for the reason that now the largest and best Lima Beans can be cheaply raised in quantity, without the expense and labor attached to the use of poles.

**PRICES** of genuine seed by mail, postpaid. Liberal pkt., 15c.; 2 pkts., 25c.; 10 pkts., \$1.00;  $\frac{1}{2}$  pint, 35c.; pint, 60c.; quart, \$1.10. By express, or freight, at buyer's expense. Per pint, 55c.; quart, \$1.00; 4 quarts, \$3.75.

## CAUTION.

**Beware of Adulterated Seed**, the common Pole Lima has already been sold for this by a *rogue* grower to some of the seed trade—our stock is either **our own growth** or that of Mr. Burpee, the originator, and none more reliable can be secured.



## DREER'S BUSH LIMA BEAN

Possesses all the good qualities of the well-known Dreer's Pole Lima. The beans are thicker than any other, and when cooked more like wrinkled peas than ordinary Lima Beans and much preferred by many to any other for table use. Pkt., 15c.; 2 pkts., 25c.;  $\frac{1}{2}$  pint, 60c. See fuller description page 19, but the price on page 19 is an error.

## HENDERSON'S DWARF LIMA BEAN.

A grand good bean of the small Lima type. See page 20. P stpaid packet, 10c.;  $\frac{1}{2}$  pint, 15c.; pint, 30c.; quart, 55c.

## ANY ONE

Wishing to test the comparative merits of these three Limas can have **three sample packets**, postpaid, for 25 cents, or **three regular size packets** for 30 cents.

# THE FREEMAN POTATO.

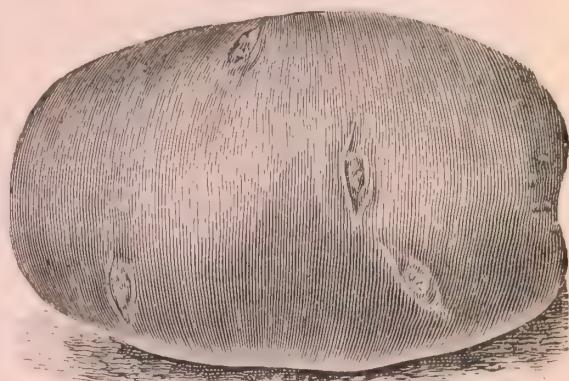
THIS new Potato, which has been so extensively advertised by an Eastern firm, has proven to be a most valuable sort.

We last spring secured some stock seed and have grown a crop the past summer. The originator, Mr. W. D. Freeman, describes it as follows:

"The tuber is oval in shape, russet in color; flesh very white, both raw and when cooked, very fine grain and of very best flavor. The greatest merits of the variety are its extreme earliness and long keeping qualities. From the time they are as large as hen's eggs until the new potatoes come in next year, they burst open when boiled with their jackets on, and appear snow-white and floury. In 1889, I planted on June 4, and on July 13th—thirty-nine days from planting—I dug the first mess of fine potatoes for dinner. They grow very quickly, and ripen several weeks in advance of the Early Rose. My first general planting this year was ready to put in the cellar August 1st, being then thoroughly ripe, and the vines dead. They are also a first-class yielder; I have frequently dug six to nine pounds from a single hill, and in rich ground there are few small ones."

W. D. FREEMAN.

**PRICE of Genuine Stock** grown by us from seed secured from the introducer; none better, no matter how fancy a price you are asked to pay. By **MAIL (postpaid)**: Lb., 30c.; 3 lbs., 75c. By **express or freight**,  $\frac{1}{2}$  peck, 40c.; peck, 75c.; bush., \$2.50; bbl., \$6.00.



## First of All Sweet Corn.

The Cory Sweet Corn having held the honor of being the very earliest Sweet Corn in existence for several years, will now have its prestige taken away by the **First of All** Reports of customers and

very tender and sweet. Ears

comparative tests give it the lead by about one week. It is of much better quality, being average ten rows each, while the Cory rarely has over eight. **Postpaid**: Pkt., 10c.; pint, 20c.; quart, 35c. **By express**: Quart, 25c.; 2 qts., 40c.; 4 qts., 60 cts.; peck, \$1.00; bush., \$3.50.

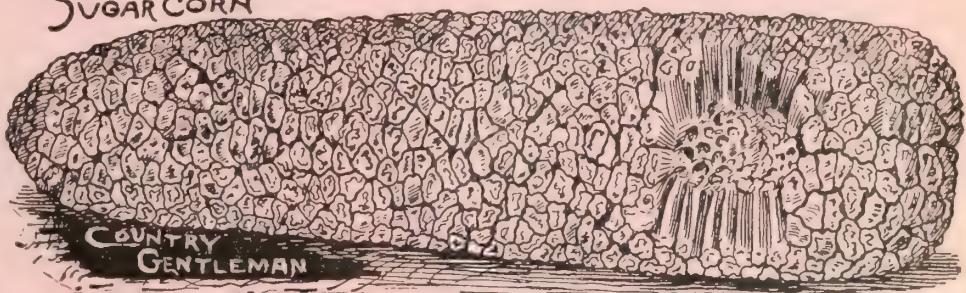
## Hill's Forcing White Spine Cucumber.

way, as his Cucumbers were ready for market before others, and were of that desirable dark green color. It is a selection from the best Arlington White Spine, and is adapted to open ground culture as well as for forcing. It grows much more compact about the hill than most other kinds, and will be highly appreciated by Southern truckers for shipping. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

## Country Gentleman Sweet Corn.

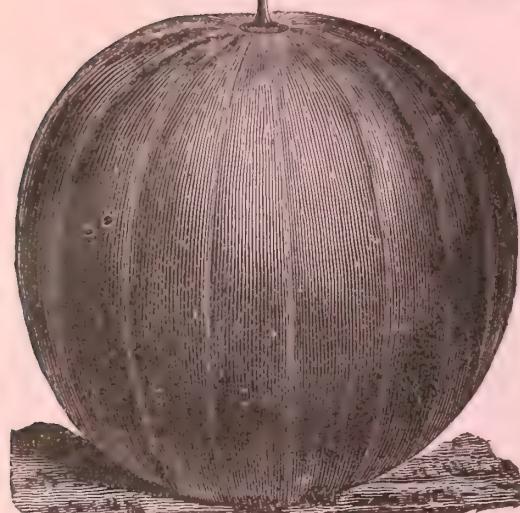
The Ne Plus Ultra, or "Shoe Peg" Corn, has given more satisfaction for private family use than any other sort. Its only weak point with market gardeners was its small size, and it was conceded that with larger size, it would be a most desirable sort for commercial gardening. By careful selection, a variety has been obtained which produces ears of about double the size, and of the same delicious quality as the original. We offer with confidence the "**Country Gentleman**" as an exceedingly fine Sweet Corn. The ears are produced in great abundance, our grower last year sending in a number of stalks bearing four good ears, while the average of the crop was three ears to a stalk. The cob is very small, giving great depth to the kernels, which are pure white. But the great merit of the "**Country Gentleman**" is its delicious quality. It is, without doubt, the sweetest and most tender of all Sweet Corn. Our present excellent stock was grown by ourselves and the originator. **Postpaid**: Pkt., 10c.; pint, 20c.; qt., 40c.;  $\frac{1}{4}$  qts., 75c. **By express**: Qt., 25c.; 4 qts., 75c.; peck, \$1.25; bush., \$4.50.

## SUGAR CORN



COUNTRY  
GENTLEMAN

# ~TURKISH DWARF WATERMELON.~



THIS new melon which we offered last season for the first time is of Turkish origin. It is quite early and the vines of somewhat dwarf habit, allowing it to stand at least one-fourth closer than ordinary sorts. The quality is not excelled, and all things considered we claim for it the first place among **early market sorts**. The color is quite dark green, with stripes of light green running from pole to pole. These latter give the melons an appearance of being distinctly ribbed like a Muskmelon, when in reality the ribs are barely perceptible. The melons have a smooth skin are round in shape and will average about 10 lbs. each in weight. The quality is excellent, fine grained and sweet. This will be a valuable variety to grow for early market, and owing to its peculiar appearance, in connection with fine quality, will sell readily.

Packet, 10c.; ounce, 15c.; quarter-pound, 40c.; pound, \$1.35.

## THE "COUNTY FAIR" PEPPER.

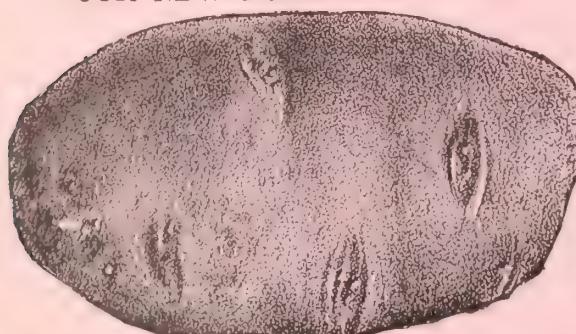
This variety has been grown on a large scale for years by one of the most practical and intelligent New Jersey farmers, and although he has tried all others, he has not found anything to equal in quality and productiveness the "County Fair." It is of strikingly handsome appearance that at once arrests the eye, whether in the market or on the exhibition stand of an agricultural fair. The peppers are of medium size, but are very solid and "meaty," and of sweet, sprightly flavor, entirely free from any biting or burning taste. Pkt., 5c.;  $\frac{1}{2}$  oz., 20c.; oz., 35c.

## ARLINGTON FAVORITE.

A new and improved beet, which, for form, flavor, deep blood-red color of the flesh, small foliage, and general adaption for market-garden cultivation cannot be excelled, if equalled, by any other variety. A strong proof of its superiority over all others is the rapidity with which load after load is disposed of when brought into market by the gardeners. We consider it a decided improvement in every respect.

You will make no mistake by

## ~OUR NEW POTATO OF 1892.~



### THE NEBULA.

Last season we introduced this new and excellent seedling. It originated in the hands of Mr. D. C. Klingler, of Hardin County, O.

It is a strong grower, very early, of good quality, a heavy cropper and well liked by every one who grew it in 1892. It is worthy of general cultivation by potato growers. Seed quite limited again this season. (MICHIGAN GROWN STOCK).—Price, by mail, single tuber 15c.; lb., 30c.; 3 lbs., 75c. By express or freight, Half peck, 35c.; peck, 60c.; half bushel, \$1.00; bushel, \$1.75; bbl., \$4.60.

## CANNON BALL WATERMELON.

This is a splendid, solid little melon, so dark in color it is almost black, and as round as a cannon ball. A splendid melon for home use, small families, etc. Sells well.

Pkt., 5c.; oz., 10c.; 4 ozs., 30c.; lb., \$1.00.



CANNON BALL WATERMELON.

## RAWSON'S NEW HOT-HOUSE LETTUCE.



The above cut is a correct likeness of this new Lettuce, taken from a photograph. It is especially adapted for growing in green-houses and hot-beds, being the largest lettuce grown, nearly double the size of the famous Boston Market or white Seed Tennis-Hall. It is a sure header and not liable to rot in the heart, making it the most desirable variety for market-gardeners. Mr. Rawson is a famous Boston gardener and knows what is required in first-class market Lettuce, and has spent a number of years working up the good points of this variety. The seed we offer was grown under glass, from carefully selected heads by Mr. Rawson, and can be relied on as TRUE. Seed is very scarce.

Packet, 10c.; half ounce, 40c.; ounce, 75c.; four ounces, \$1.80.

NEW

## TRIANON

OR CELERY LETTUCE.



THE favorite class of Lettuces in Europe are the Cos or blanching varieties, and this is the very finest of its class; already they are becoming more popular here. The long, narrow leaves, which form solid heads, almost like a Wakefield Cabbage, bleach and quickly become snowy white. It excels all other Lettuces in quality, having a taste and crispness unequaled. The leaves, when bleached are stiff like Celery stalks, and can be eaten in the same manner. Prepared for market as shown in the engraving they are very attractive, and when offered to customers as a "Celery" Lettuce they always secure sales.

Packet, 5c.; ounce, 15c.;  $\frac{1}{4}$  pound, 50c.; pound, \$1.75.

## SHROPSHIRE HERO PEA.

A prime NEW PEA pronounced by all market gardeners who have tested it, the most valuable acquisition in new peas made in recent years. It is a second-early large wrinkled pea, a robust grower like *Stratagem*, two to three feet in height, producing its large pods in abundance. The pods are larger and better filled than such fine sorts as *Telephone*, *Stratagem* and others of its class, averages seven, and often contains eight and ten fine large peas of exquisite flavor. It has been awarded a first-class certificate by the Royal Horticultural Society of England.

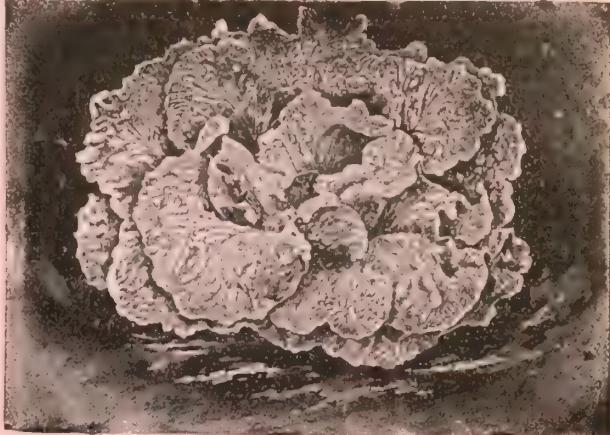
By mail, postpaid, pkt., 10c.; pt., 30c.; qt., 50c. By express, qt., 30c.; 4 qts., \$1.20; peck, \$1.75.

## NEW JUNO PEA.

A GRAND ACQUISITION. We have no hesitation in saying that it is by far the best wrinkled Pea of its class to-day. It differs from the HEROINE (see page 43) in that it has a more robust vine and has stout, STRAIGHT pods, usually borne in pairs. It is noticeable that the pods are very thick, broad-backed all the way up and filled from the stem to the tips with seven to nine sweet, delicious, DARK green Peas of immense size. Its height is two feet, and its season from medium early to main crop. We are satisfied it is destined to become a standard variety. Try it.

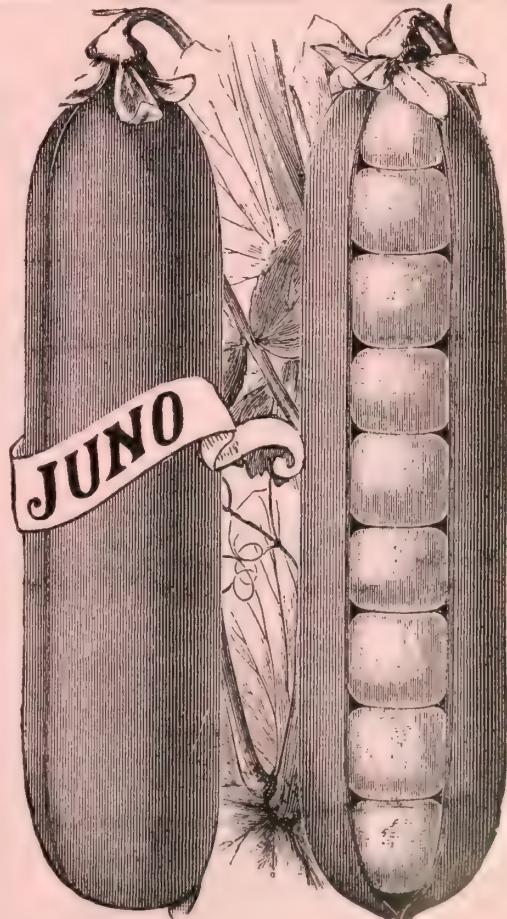
By mail, postpaid, packet, 10c.; pint, 35c.; quart, 60c.

## TILTON'S WHITE STAR LETTUCE.



A WHITE seeded lettuce destined to become a universal favorite with Gardeners for forcing or planting out doors, on account of enormously large heads, bright color, crispness and long keeping qualities. It is distinct from Black Seeded Simpson, and we think an improvement on that sort. Will be found a remarkably valuable shipping sort. It is an enormous yielder, and remains a very long time in condition for use.

Packet, 5c.; ounce, 20c.;  $\frac{1}{4}$  pound, 60c.; pound, \$2.00.



NEW JUNO PEAS.



COPYRIGHTED 1892  
BY REED & BARTON

CENTROSEMA GRANDIFLORA  
"LOOK AT ME"

## Centrosema

### Grandiflora.

(Something Absolutely New.)

MANY old and neglected plants are really valuable, and prove eminently satisfactory, but, after all, it cannot be denied that one which is absolutely new to cultivation and at the same time is one of the very best in actual merit, is decidedly most desirable.

Just such a plant is Centrosema Grandiflora.

It is a perfectly hardy

perennial vine of rare and exquisite beauty, which blooms early in June from seed sown in April, and bears, in the greatest profusion, inverted pea-shaped flowers, from  $1\frac{1}{2}$  to  $2\frac{1}{2}$  inches in diameter, and ranging in color from a rosy violet to a reddish purple, with a broad feather-white marking through the center. The large buds and the back of the flower are white, making it appear as if one plant bore many different colored flowers at one time. Occasionally, plants bear pure white flowers, while others are margined with a broad white feathering. The flowers are produced in the greatest abundance, sometimes 6 to 8 in a single cluster. The stem and foliage are very graceful, and of a delightful odor. Blooming stems, placed in water remain fresh for many days. It is well adapted for every garden purpose, and especially as a climber, running 6 to 8 feet in a season. Even in the poorest soil it will bloom freely until cut down by frost.

Packet, 15 cents.

## CALADIUM-Escentium.

### "ELEPHANT EARS."

A splendid tropical-like plant, growing four feet high, with immense leaves, beautifully veined and variegated with different shades of green. As a single plant or mass for the lawn or flower bed, or for margins of water it is very fine. Of easy culture; will grow in any garden soil, but delights in a well enriched soil; should be frequently watered.

**\$25.00 Cash Premiums for 1893.**

inage plant, we have decided to offer

**\$10.00 to the Grower of Largest Leaf.**

**\$5.00 to Grower of Second Largest Leaf.**

In order that more of an interest may be taken in this very effective and ornamental fol-

**\$5.00 to Grower of Third Largest Leaf.**  
**\$5.00 to Grower of Fourth Largest Leaf.**

The leaves in competition to be delivered to us all charges prepaid, not later than Oct. 15, 1893. Competitors at a distance who do not wish to go to the expense of forwarding the leaves until they know whether they have any likelihood of being awarded a premium, can first write us, giving measurements of their largest leaves, carefully preserving same until we advise them that they may be sent in competition.

Careful measurements will be taken and recorded by disinterested persons as the leaves arrive, and the prizes awarded Oct. 15, 1893. Any person buying a bulb of us is entitled to compete for the premium.

Price of Choice Bulbs, *by mail*, (*postpaid*), according to size: 20c., 40c., 60c. each. *By express*, (*not prepaid*), Small Bulbs, 10c. each; dozen, \$1.00. Medium Bulbs, 25c. each; dozen, \$2.00. Large Bulbs, 50c. each; dozen, \$4.00.

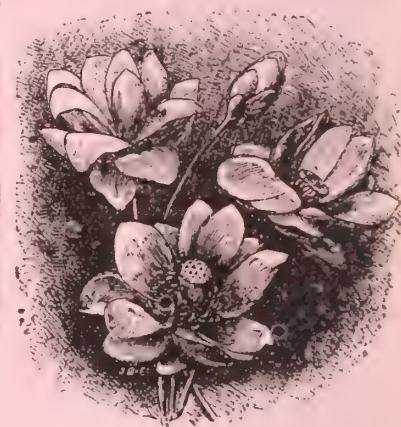
**LAST YEARS' PRIZES:**—\$10.00 to MRS. WM. OYLER, LITHOPOLIS, O., as first prize for leaf measuring 12 feet 8 inches in circumference, and \$5.00 to MR. R. BEATON, 1123 OAK STREET, COLUMBUS, O., second prize for leaf measuring 11 feet 4 inches in circumference.

This year we offer four prizes instead of two.



## GOLDEN YELLOW DOUBLE SCABIOSA.

After several years of careful selection we have to offer a pure yellow Scabiosa, which comes almost true from seed. The plants of this PRETTY AND USEFUL NOVELTY are semi-dwarf and bushy, and bear in great profusion compact double flowers of a very "TINEGOLDEN YELLOW" color; admirably adapted for cutting; a yellow Scabiosa having been long looked for, we do not doubt but this introduction will secure a large share of popular favor. (See cut.) Packet 25c.



## NELUMBINUM—(American Lotus.)

This is one of the most beautiful and valuable of all the water lilies. The dark green leaves, 12 to 15 inches in diameter, surrounded by the enormously large double flowers resembling a monster double tulip, form a beautiful contrast and are a worthy ornament to any garden or lawn. Easily grown in tanks or ponds. Full cultural directions on each packet.

**NELUMBINUM LUTEUM**, yellow, fragrant; pkt. 25c.

## Chinese Narcissus.

This beautiful and fragrant plant has become very popular within the last few years, as it is such a quick and free bloomer and so very easy and interesting to cultivate. It can be planted in sand, moss, earth or water, and will bloom in from four to eight weeks time of planting. (None after April 1st.)

We import a large quantity of these bulbs direct from China and can give you good bulbs at low prices. **Large Bulbs**, each, 25c., postpaid.



# PLANET JR. HORSE AND HAND IMPLEMENTS

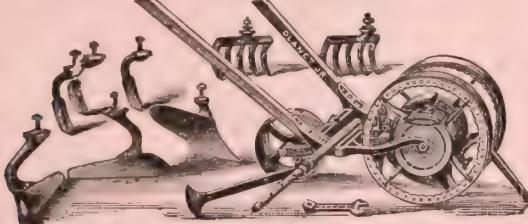
These are the most popular and satisfactory tools made for garden and field use. We can show but a portion of them, and only partially describe them here, but we shall be glad to send our **SPECIAL PLANET JR. CATALOGUE**, containing full descriptions and many illustrations; it also describes the Celery Earther, Furrowing Steels, Marking Attachments, Sweet Potato Vine Lifters, Roller, etc. It is good reading, and will be sent **FREE** to all who will write for it, whether they want to buy or not.

## PLANET JR. HILL DROPPING DRILL.

This is an entirely new machine, the latest and best of all the **PLANET JR.** family. It holds two quarts and sows all kind of seeds with the greatest regularity. Sows in drills, also drops in neat hills either four, six, eight or twelve inches apart. Can be changed from hill to drill dropping, or thrown in or out of gear in a moment, and will not sow when run backwards. It is nicely adapted to working all conditions of land, the sowing is regular, no matter whether the drill is full or nearly empty. The sowing can be stopped instantly at the end of the row so that none need be wasted. The ability to drop in hills is a great advantage, as it saves considerable seed, insures vigorous plants at even distances, and saves an immense amount of hand labor in thinning out. Well made and the best tool in the market. Gardeners who used it last season speak of it in highest praise. **OUR NET PRICE, \$10.00.**

**PLANET JR. SINGLE WHEEL HOE** Double, and is supplied with one pair Hoes, three Reversible Cultivator Teeth, two narrow, one broad; a Large Garden Plow, and a pair of Rakes. Is admirably adapted to the use of small gardens. Weight, 26 lbs. **OUR NET PRICE, \$5.00.**

**FIREFLY SINGLE WHEEL HOE—CULTIVATOR AND PLOW COMBINED—** Light, strong and adjustable to quite a variety of work. It has two Hoes, which work either to or from the row, three Cultivator Teeth and one Garden Plow. An excellent cheap tool. Weight, 23 pounds **OUR NET PRICE, \$4.00.**



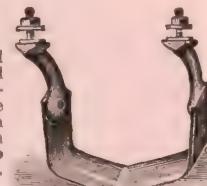
## PLANET JR. COMBINED SEED DRILL, CULTIVATOR, ETC.

The very best machine made for the two purposes, and does both well. The cultivating attachments are a Plow, a pair of Protecting Curved Point Hoes, a set of three Cultivator Teeth, and a pair of Rakes. Blades are steel hardened in oil, tempered and polished. Is an excellent sower, and a first-class double wheel hoe while plants are small; an excellent wheel scuffle hoe. Opens furrows for corn, beans and potatoes, and covers them. **Net Price, \$9.00.**

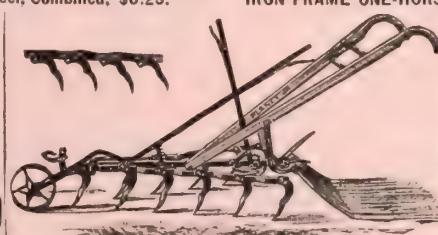
## PLANET JR. ONION HARVESTER.

An attachment which can be applied to all of the **Planet Jr. Wheel Hoes** or **Combined Drill**, and is an excellent Scuffle Hoe. It thoroughly loosens the crop without scattering the bulbs, and leaves them in the best condition for easy handling, saving labor and time in harvesting the fully grown onions, and also onion sets. Can be used for gathering Spinach. **PRICE, \$1.10.**

**GEM CULTIVATOR**—Over 10,000 now in use to the entire satisfaction of the buyers. It is not only cheap, but one of great value. Two Scuffle Blades, one  $4\frac{1}{4}$ , one  $9$  inches wide; two Plows, right and left hand; five Stirring Teeth, made of best steel; the wheels and handles adjustable in height; frames slotted; teeth and plows can be set in any position and angle. No 1, Single Wheel, \$4.00. No. 3, Double Wheel Gem, \$4.25. No. 2, Double and Single Wheel, Combined, \$6.25.



**PLANET JR. GARDENER'S HORSE HOE**—Regarded by the manufacturers as their greatest achievement. Price—Without Pulverizer, \$6.25. Complete, \$7.75.



## Planet Jr. Harrow and Pulverizer.

**PRICES:**—Plain, \$6.75, without Pulverizer, Without Pulverizer or Wheel, \$6.00. Complete, \$7.75.



## Planet Jr. Fertilizer Drill.

Newest and Best.

This is the same as the New Hill Dropping Seed Drill, except it has a Fertilizer Sowing Attachment. It works in a perfect manner, sowing any desired quantity, and the fertilizer can be placed either above or below the seed, covering it lighter. The machine is a perfect and invaluable tool for every market gardener, onion and strawberry grower. Fully described in catalogue mentioned above. **OUR NET PRICE, \$5.00.**

**PLANET JR. NO. 2 SEED DRILL**—Sows all garden seeds accurately at any desired thickness or depth, opening, dropping, covering, rolling down and marking the next row, all at one passage, in the most perfect manner. Holds  $2\frac{1}{2}$  quarts. Has no cams; levers, brushes, cogs, springs or shakers to get out of order. Noiseless, automatic, self-cleaning and accurate. Remarkable for ease and perfection of work. Weight, 40 lbs. **OUR NET PRICE, \$7.00.**

## PLANET JR. PLAIN DOUBLE WHEEL HOE.

To meet a demand from onion growers and those who want a hoe only, we offer the Double Wheel Hoe described below, supplied simply with one pair of long curved point hoes. Any or all of the other attachments may be added to this at any time. Weight, 24 lbs.

**OUR NET PRICE, \$4.50.**

## COMBINED DOUBLE WHEEL HOE.



**PLANET JR. DOUBLE WHEEL HOE CULTIVATOR, RAKE AND PLOW COMBINED.**—Has the invaluable features of tending both sides of row at once. The wheels can be set for working broad or narrow rows. It has a pair of Hoes, a pair of Plows, two pairs of Cultivator Teeth, a pair of Rakes, and a pair of Leaf Lifters, making it capable of every variety of gardeners' work, in fact, any work that can be done with hand tool, the **Combined Double Wheel Hoe** will do in the most approved manner. **OUR NET PRICE, \$6.50.**

## PLANET JR.

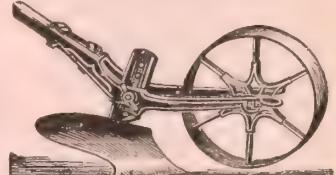
### Firefly Wheel Garden Plow.

This little plow has been found very useful for gardeners and private families, in opening furrows, covering seed in drills and hillling growing plants. Weight, 12 pounds.

**PRICE, ONLY \$2.15.**

## OTHER DRILLS AND CULTIVATORS.

**NEW MODEL DRILL**—A model in every respect. One of the best. \$6.00. **A. H. MATTHEWS' GARDEN DRILL**—Well-known and superior Drill. \$7.25. **COMSTOCK'S SEED SOWER HAND CULTIVATOR AND WEEDER**. \$3.00. **IRON FRAME ONE-HORSE HARROW**. Price, only \$4.75.



**PLANET JR. ALL STEEL HORSE HOE, CULTIVATOR, ETC.**—No BETTER MADE. Prices—Horse Hoe, complete, \$8.25. Without Wheel, \$7.50. Covering Roller, extra, \$2.00. Extra set of 5 Cultivator Steels. \$1.00.

# \$1.00 BIG DOLLAR COLLECTION \$1.00

BY MAIL, POSTPAID.

AT THE LOW PRICE AT WHICH THE COLLECTION IS SOLD, WE CAN ALLOW NO CHANGES

- 1—BEANS—Rustproof Dwarf Wax. Yellow pods, very early.
- 2—BEANS—Golden Cluster—Best pole or corn bean in the world.
- 3—BEET—Arlington Favorite—Very early and good.
- 4—BEET—Dewings Blood Turnip—Best general use.
- 5—CABBAGE—Extra Early Jersey Wakefield.
- 6—CABBAGE—Succession. Best medium late.
- 7—CELERI—Giant Pascal. Very crisp.
- 8—CELERI—White Plume. Self-blanching.
- 9—CORN—First of All. Earliest sweet corn.
- 10—CORN—Livingston's Evergreen. Sweetest. Best main crop.
- 11—CUCUMBER—Livingston's Evergreen. Best all purpose.
- 12—CUCUMBER—Early Cluster. Best forcing. Best early pickles.
- 13—LETTUCE—Curled Simpson.
- 14—LETTUCE—Hanson. Best all seasons.
- 15—WATERMELON—Ice Cream. Quality can't be beat.
- 16—WATERMELON—Dixie. Best shipper. Choice.
- 17—MUSKMELON—Extra Early Hackensack. A No. 1.
- 18—ONION—Yellow Danver Globe. Best general crop.
- 19—ONION—White Silverskin. For table and pickles.
- 20—PEPPER—Ruby King. Sweet. Largest of all.
- 21—PARSNIP—Hollow Crown. Standard everywhere.
- 22—PUMPKIN—Sweet or Pfe. Best table.
- 23—PEAS—Livingston's First in Market.
- 24—PEAS—New Shropshire. Immense pods. Excellent quality.
- 25—RADISH—Long Scarlet. Good for early.
- 26—RADISH—New Chartiers. Best early or late.
- 27—RADISH—Livingston's Mixture.
- 28—SQUASH—Mammoth Scallop. Summer.
- 29—SQUASH—Orange Marrow. New. Very fine.
- 30—TOMATO—Livingston's Beauty. None better.
- 31—TOMATO—Gold Ball. New. Fine. "O. K."
- 32—TURNIP—Purple Top, Strap Leaf.

16 PACKETS FOR 60 CTS.—We will send Nos. 1, 4, 6, 7, 10, 11, 14, 16, 17, 18, 20, 21, 23, 27, 29 and 30, FOR ONLY 60 CENTS.

TWO COLLECTIONS, \$1.75. THREE FOR \$2.50.

## RURAL BOOKS.—POSTPAID.

Art of Propagation, treats of trees and plants.	50
Asparagus Culture, Barres and Robinson	50
Brill's Farm Gardening and Seed Growing, new edition	100
Broom Corn and Brooms, illustrated, cloth	50
Cabbage, Treatise on, by J. J. H. Gregory	30
Celery Growing and Marketing a Success, a new work and the best ever written on the subject, by H. L. Stewart	100
Chrysanthemum Culture, cloth, \$1.00; paper	60
Every Woman Her Own Gardener, by Mrs. S. O. Johnson	100
Farm Appliances, illustrated; very valuable	100
Farm Drainage, French's, cloth	150
Farmer's Book of Grasses, by D. C. Phares, paper	25
Farming for Profit, (Reed), illustrated, cloth	375
Fertilizers, a new edition, by J. J. H. Gregory, paper	40
Fuller's Grape Culturist, cloth	150
Grasses of North America, 475 pages, 175 illustrations, Beal	250
Gardening for Pleasure, new revised edition. Henderson	200
Gardening for Profit, Henderson, a new edition, rewritten and enlarged, valuable information to market gardening, cloth	400
Hand Book of Plants, Henderson's new and revised edition	150
Home Floriculture, by Eben E. Rexford, new and valuable	50
Horticulturist's Rule Book (Bailey). Very useful for Fruit Growers. Truck Gardeners, Florists and others	50

Try AMERICAN GARDENING One Year, Only \$1.00.

ing to Gardening such as new methods of growing Onions, Tomatoes, Celery, etc.; also Vegetable, House Culture and other good things too numerous to mention. Every number contains an item of information from some experienced grower which is well worth the \$1.00. We read it with a relish and most heartily endorse it and shall be pleased to accept subscription from customers at publisher's rates.

## FREE FOR TRIAL.

THOUSANDS OF PACKETS GIVEN AWAY AGAIN THIS SEASON.—These are composed mostly of CHOICE NEW SEEDS with some good old stand-bys of our own selection, which shall be based somewhat upon the nature and size of the order sent in, we aim to send none but kinds of value, and we shall be pleased to have customers report the result of their trials. While we know the result of liberal treatment

ment, at the same time we cannot promise an extra with every order, but we do promise, no matter how small the order—if only for a nickle packet—PROMPT and CAREFUL ATTENTION, our Catalogue annually, and fair treatment while you remain a customer.

## CACTUS COLLECTION.



## 10 CURIOUS CACTUS PLANTS \$1.00

POSTPAID.

A fine collection of mixed Cacti especially selected for free-blooming and fine display. They require absolutely no care and will grow for months without watering, increasing in value yearly. The plants sent by us will all be distinct, and if ordered early in the season and planted in very sandy soil, will give great satisfaction.

FOUR PLANTS FOR 50 CENTS. TEN PLANTS FOR \$1.00.

**Old Man Cactus** (*Pilocereus Senilis*)—This is one of the curiosities of plant life that attracts the greatest attention. If you have room for only one Cactus, by all means get this one. It is covered with very long, silky white hairs, often drooping below the rim of the pot, and giving it the appearance of the venerable white head of an aged person. Plants, (postpaid), 75 cents each.

**Seeds of Cacti.** We furnish a liberal packet of Cacti Seed, MIXED VARIETIES, for 15 cts. Printed directions for growing with each packet.

Mrs. H. C. T., Iona, Mich., writes: "From the package of seed bought of you, I raised 500 dainty little gems."

**EXTRA.** With each order for this Collection we include a packet of LARGE FLOWERING MIXED PANSY SEED, FREE.

We can furnish any book (or paper) on Gardening, Agriculture, Horticulture and Stock at Publisher's Prices.

**EXTRAS** Sent out in former years have given such excellent results, judging by the many flattering reports received from our patrons all over the world, we are encouraged to keep it up.

## GENERAL LIST

—OF—

VEGETABLE  
SEEDS

## SEEDS POSTPAID BY MAIL.

PLEASE BEAR IN MIND that the prices in the following list include prepayment of postage by us on all seeds offered by the **Packet, Ounce, Quarter Pound, Pound, Pint or Quart**, unless otherwise noted. Thus you have only to send the catalogue price, and we guarantee safe delivery by mail, postage prepaid. If the seeds are to be sent by express, at the buyers expense, deduct **eight cents** for a pound, **eight cents** for a pint, and **fifteen cents** for a quart. Half-pounds supplied at pound rates; half-bushels at bushel rates.

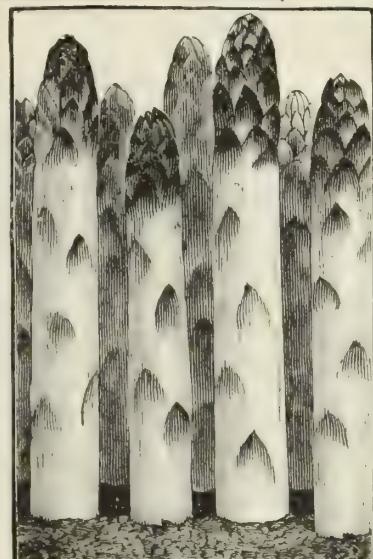
**PACKET SEED DISCOUNTS.** This does not offered by weight or measure, but to seeds in **packets only**; nor does it refer to potatoes, onion sets or bulbs.

**BULK SEED DISCOUNTS.** This discount refers to **Seeds** quoted in catalogue by (On an Order of \$5.00.....10 per cent. weight or measure, and not to potatoes, onion sets or bulbs, as some understood it last season, neither to seeds in packets: (On an Order of \$10.00.....12 per cent. (On an Order of \$20.00.....15 per cent.

## ASPARAGUS.

One of the earliest spring vegetables, and one that would be in more general use were it known how easily it can be grown. It can be grown in any good garden soil, but does best in moist, sandy soil.

To grow plants from seed sow in drills about one inch deep, in rows a foot apart. Keep the soil mellow and free from weeds during the summer, and in the fall or following spring the plants may be set out in beds six feet wide, with a path two feet wide on each side; set the plants about a foot apart each way, with the plants four inches below the surface. The deeper the soil and the more manure used the greater the crop. Annually, after the last cutting, the bed should be given a liberal top dressing of manure, ashes and salt, which should be well cultivated into the soil. As soon as the tops turn yellow in the fall they should be cut and removed from the beds, and just before winter cover the beds with four inches of coarse, strawy manure, which should be removed in the spring. A bed 6x60 feet is ample for an ordinary family, and when well established is good for twenty years.



ASPARAGUS.

One ounce of seed sows 60 feet of drill; about 400 plants to the ounce.

**Conover's Colossal**—A large and rapid grower of excellent quality. Lb. 50c;  $\frac{1}{4}$  lb., 20c; oz., 10c.; pkt., 5c.

**PALMETTO**—Claimed to be an earlier, better yielder and more even grower than the Colossal. Lb., \$1.00;  $\frac{1}{4}$  lb., 30c.; oz., 10c.; pkt., 5c.

**BARR'S MAMMOTH**—A fine variety; outsells all others in some markets. The stalks are very large and uniform, grows very quick, and is very light in color. Lb., \$1.00;  $\frac{1}{4}$  lb., 30c.; oz., 10c.; pkt., 5c.

**I**N this Department we aim to offer a complete list of all known varieties of real value, and exclude everything worthless; also to leave out an endless number of kinds for which there is no demand.

We are careful to avoid offering the same variety of seeds under different names; also to avoid using misleading descriptions.

**MARKET GARDENERS**, or other large planters, requiring larger quantities of seeds than are here offered, are invited to write for our Special Price List. This list we cannot send to private gardeners, even if they apply for it, as it is intended only for those who grow for market. In writing please state whether you are a **Market Gardener, Florist or Dealer in Seeds**.



## BEANS.

### DWARF OR BUSH.

Beans are tender and should not be planted until danger from frost is past, and the ground becomes warm. Plant in drills three or four inches apart, or in hills one and one-half feet apart in the row, and rows three feet apart. Hoe often, but never when wet with dew or rain, as earth will rust the leaves and injure the crop, especially in sandy soil.

One quart 100 feet of drill, two bushels to the acre.

**REMEMBER!** That WE PAY THE POSTAGE on Beans at the prices quoted.

**LARGE PACKETS.**—Customers write us that our packets contain more seeds than others.

**QUART AND PINT PRICES** include postage; if to go by express at buyer's expense, deduct 15 cents per quart, or 8 cents per pint, from the prices below.

**BUSHEL AND PECK PRICES** see Special Page at end of this list.

### GREEN POD VARIETIES.

**EXTRA EARLY ROUND POD VALENTINE**—At least ten days earlier than the Early Valentine and usually ready to pick in 35 days after planting. The pods are round, thick and fleshy, of finest quality and unequalled in uniformity of ripening; one of the most profitable sorts for gardeners. Pkt., 10c.; pt., 25c.; qt., 45c.

**EARLY MOHAWK**—First early; none better for first planting; productive; very hardy, almost frost proof; can be used when half grown. Pkt., 10c.; pt., 25c.; qt., 45c.

**EARLY WARWICK**—One of the earliest, if not the earliest Green Bush sort, it will give a picking of pods four inches and over in forty-three days from planting; pods stringless; remarkably early; a heavy cropper; suitable for shipping long distances. Pkt., 10c.; pt., 25c.; qt., 45c.

**LONG YELLOW SIX WEEKS**—A fine early string bean. Pkt., 10c.; pt., 25c.; qt., 45c.

**IMPROVED DWARF HORTICULTURAL**—(GODDARD, BOSTON FAVORITE.)—Early; excellent for market; splendid shell bean. Pkt., 10c.; pt., 30c.; qt., 50c.

**REFUGEE OR THOUSAND TO ONE**—Hardy, abundant bearer, flesh thick and tender; none better for picking. Pkt., 10c.; pt., 20c.; qt., 40c.

**PRIDE OF NEWTOWN**—New extra early Flat Bean; claimed to be one of the earliest and most prolific grown. Of robust growth; very long, light green, flat pods; should have plenty space in rows. Pkt., 10c.; pt., 25c.; qt., 45c.

**BEST OF ALL DWARFS**—Pods long, very fleshy, succulent, stringless and of rich flavor; are produced early and abundantly. One of the most valuable green-podded beans for market or family use. Pkt., 10c.; pt., 25c.; qt., 45c.

**BROAD WINDSOR**—The best English variety. Pkt., 10c.; ½ pt., 15c.; pt., 25c.

**GREEN FLACOELET OR WONDER OF FRANCE**—Long, straight, bright green pods; retains its beautiful green color even when cooked; early; productive; one of the finest shell beans. Pkt., 10c.; pt., 30c.; qt., 50c.

**RHODE ISLAND DWARF CASEKNIFE**—A continual bearer. Exceedingly early, tender, and of fine flavor; pods very long and broad. Pkt., 10c.; pt., 25c.; qt., 45c.



**LIVINGSTON'S ROUND POD SIX WEEKS**—This variety is, we believe, the best green podded snap Bean on the list. It is not only extra early, but is good, strong grower and abundant cropper. There is no green podded sort that can approach it in freedom from strings. Will be a favorite with Market Gardeners because, while it has all other good points, it is superior in quality to any snap bean grown. Pkt., 10c.; ½ pt., 15c.; pt., 30c.; qt., 50c.

**EMPEROR WILLIAM**—Produces in great profusion immense flat green pods, exceedingly early and of splendid quality. The largest podded of all bush varieties. Pkt., 10c.; pt., 20c.; qt., 40.

### FIELD VARIETIES.

**WHITE KIDNEY** (ROYAL DWARF)—An excellent shelled bean, green or ripe. One of the best for winter use. Seeds large, white, kidney-shaped. Pkt., 5c.; pt., 20c.; qt., 35c.

**PROLIFIC TREE**—Very prolific variety; one bean should be planted in a hill. A great improvement upon the ordinary White Navy. Small, white; one of the best dry beans. Pkt., 5c.; pt., 20c.; qt., 30c.

**BOSTON SMALL PEA**—Very early, hardy and prolific; white pods, generally in clusters of four. Pkt., 5c.; pt., 20c.; qt., 35c.



**EXTRA EARLY REFUGEE**—Has all the good qualities of the famous Refugee; immense yielder; sure to produce a good crop in either wet or dry season. Pkt., 10c.; pt., 25c.; qt., 45c.

We can supply the following well-known varieties of Beans at the uniform price of 10c. per packet, 25c. per pint, 45c. per quart.

White Valentine,  
Low's Champion,  
Dwarf Horticultural,  
Burlingame Mediums,

Ne plus Ultra,  
Early China,  
White Marrow,  
Dwarf Navy.

## DWARF WAX OR YELLOW POD VARIETIES.

**RUST PROOF GOLDEN WAX**—This is certainly the best strain of Golden Wax Bean now on the market. It is harder, much more prolific, holds its pods up better, and is of better quality. The pods are straighter, longer and thicker than the ordinary Golden Wax, and are rust proof. Pkt. 10c.;  $\frac{1}{2}$  pt., 15c.; pt., 30c.; quart, 55c.

**YOSEMITE MAMMOTH WAX**—The monster pods of this new variety average 10 to 14 inches in length, are nearly all solid pulp and absolutely stringless, cooking tender and delicious. They are of a rich golden yellow, a vigorous grower, covering the ground with its heavy foliage in such a manner as to shade the earth and keep it moist; enormously productive. We recommend it to our customers as a very desirable variety. Pkt. 10c.;  $\frac{1}{2}$  pt. 20c.; pt. 35c.; qt. 65c.

**CHALLENGE DWARF BLACK WAX**—This new and distinct sort is *fully one week earlier than any other Wax Bean*, while its vigor and productiveness leave nothing to be desired. The pods are large and of good color, grow uniform and well together; none better for first early crop. Pkt., 10c.; pt., 25c.; quart, 45c.

**NEW SPECKLED WAX**—A little later than Black Wax, but continues longer in bearing than any other bush bean; wonderfully productive and EVERBARING. The long, cylindrical pods are crisp and tender. Color, when young, clear, waxy, light yellow, but as the pods mature they become splashed with carmine, making it very beautiful and attractive; easily shelled. Pkt., 10c.;  $\frac{1}{2}$  pt., 15c.; pt., 25c.; quart, 50c.

**DETROIT WAX**—A very handsome and hardy wax variety. Plants erect, bearing their pods near the center, often throwing them above the foliage; the pods are straight and flat, broader, and a little longer than the common Golden Wax. Pkt., 10c.; pt., 25c.; quart., 50c.

**GOLDEN-EYED WAX**—The remarkable beauty and manner of growth of this new variety makes it very popular. Extremely early and vigorous, growing very rapidly, and yields a great profusion of tender, succulent pods, of beautiful waxy appearance; its flavor is unexcelled. Pkt., 10c.; pt., 25c.; quart, 50c.

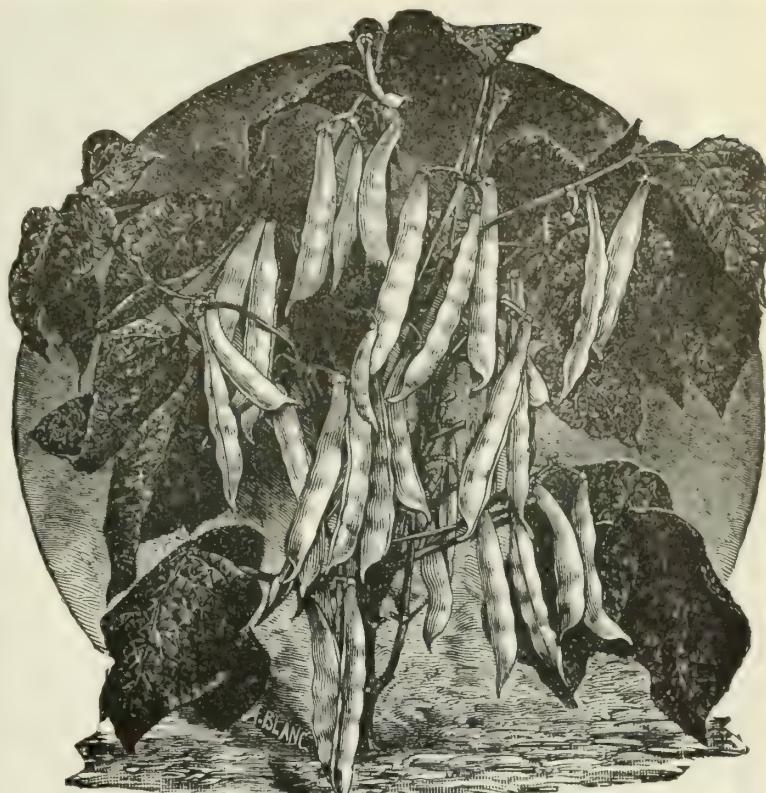
**FERRY'S GOLDEN WAX**—A very early, stringless bean of golden wax color, of excellent quality; extensively used by market gardeners. Pkt., 10c.; pt., 20c.; quart, 40c.

**BLACK-EYED WAX**—One of the earliest wax beans in cultivation. The pods are long and beautiful in color, very tender and of fine flavor; very productive and a vigorous grower. Pkt., 10c.; pt., 25c.; quart, 45c.

**WHITE-SEEDED WAX**—An excellent snap bean; also fine for shelling; seed pure white. Pkt., 10c.; pt., 25c.; quart, 45c.

**WARDWELL'S KIDNEY WAX**—Vine of medium size, erect, hardy and productive. Pods long, broad, flat, and of a delicate waxy yellow, brittle and entirely stringless. Beans large, kidney-shaped, white, with dark markings about the eye. A first-class snap bean, and a good winter shell sort; the yield exceeds that of the common Golden Wax, and is equally early. Pkt., 10c.; pt., 25c.; quart, 45c.

**GERMAN BLACK WAX**—Early, stringless, pods round, waxy-yellow, solid and tender. Pkt., 10c.; pt., 20c.; quart, 40c.



RUST PROOF GOLDEN WAX.

**PROLIFIC GERMAN WAX (CYLINDER POD)**—An improved strain of Black Wax, having longer, whiter, and more fleshy pods, and being much more productive. Pkt., 10c.; pt., 25c.; quart, 45c.

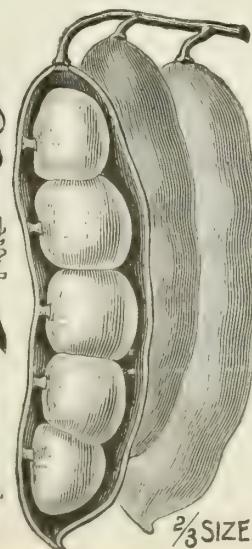
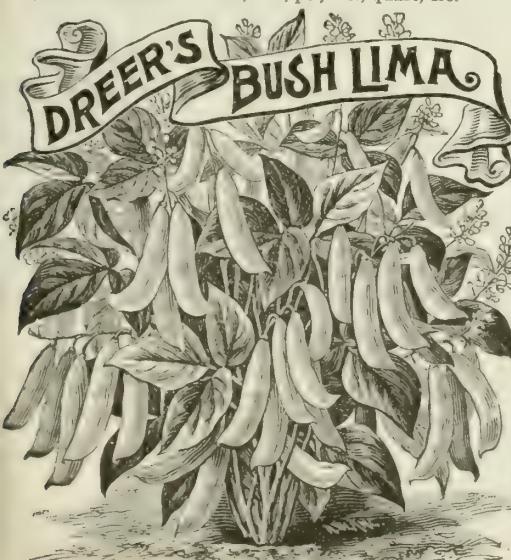
**CRYSTAL WHITE WAX**—A distinct variety; one of the best. Quick to mature, slow to harden, retaining their juicy, succulent flavor for days after they are ready to pull. The pods are ivory white, of good size, round, and very fleshy. Pkt., 10c.; pt., 30c.; quart, 55c.

**SCARLET FLAGEOLET WAX**—The most showy of all wax varieties. As early as the Black Wax, and nearly always exempt from rust. The plants are large, erect, very productive; pods of extra large size, quite often a foot in length. Pkt., 10c.; pt., 25c.; quart, 45c.

**VIOLET FLAGEOLET WAX (PERFECTION WAX)**—Plant very large. Pods long and large, longer than those of the Scarlet, and more twisted. A little later than the Scarlet, but distinctly larger. Pkt., 10c.; pt., 25c.; quart, 45c.

## Dreer's Dwarf or Bush Lima Beans.

This is a bush form of the Dreer's Lima Pole Bean, being vastly superior in flavor to the dwarf varieties of the Sieva Lima of recent introduction. It grows about two feet high, and is of vigorous branching habit, maturing early and is very productive. The beans, in a green state, are not quite as large as the Large Lima, but grow closer together in the pods, are thicker, sweeter, more tender and succulent and remain green after maturing. This remarkable bean was distributed only to a limited extent last year, but has fully confirmed our good opinion of its merits. Planted on May 30th, it matured August 24th, ten days ahead of Dreer's Improved Pole Lima planted at the same time. The pods of the Bush varieties were equally as large and full. Many of the pods contained five beans, and nearly one-half contained four. Many specimen plants were received last fall bearing from 100 to 185 pods. It should be planted in rows two feet apart, and the plants one foot apart in the row. One plant alone is sufficient to a hill. Pkt., 20c., 3 pkts., 50c.; 7 pkts., \$1.00



NO POLES



## DWARF LIMA BEANS—Continued.

**HENDERSON'S DWARF OR BUSH LIMA**—Grows without the aid of stakes or poles in compact bush form, about 18 inches high, and produces enormous crops of delicious Lima Beans which can be as easily gathered as the common bush sorts. It is at least TWO WEEKS EARLIER than any of the climbing Limas. This fact alone would stamp it as the most valuable novelty of recent years, but when, in addition to this, we consider that it is a true BUSH BEAN, requiring no supports, and is a continuous and abundant bearer until frost, some idea of its great value can be realized. Pkt., 10c.; 1/2 pt., 15c.; pt., 30c.; quart, 55c.

**BURPEE'S BUSH LIMA**—See Novelties.

## BEANS—POLE OR RUNNING.

**POLE BEANS** are more tender and require more care in culture than the bush beans, and should be sown two weeks later; they succeed best in sandy loam, which should be liberally enriched with manure. Form hills from three to four feet apart; plant five or six beans in a hill, about two inches deep, leaving a space in center for pole.

One quart makes 100 to 200 hills, according to size of beans. 10 to 12 quarts plant an acre.

**REMEMBER!** That WE PAY THE POSTAGE on Beans at the prices quoted.

**LARGE PACKETS**—Customers write us that our packets contain more seeds than others.

**QUART AND PINT PRICES** include postage; if to go by Express, at buyer's expense, deduct 15c. per quart, or 8c. per pint, from the prices below.

**BUSHEL AND PECK PRICES**, see Special Page at the end of this list.

**COLDEN CLUSTER WAX**—Undoubtedly the earliest pole variety. Although it begins to bear early it continues until frost. Everyone is surprised at their beautiful appearance and productiveness. The pods are from six to eight inches long, borne in clusters of from three to six, and are most freely produced; stringless, very tender, and of delicious flavor. Pkt., 10c.; pt., 30c.; quart, 55c.

**WHITE CREESEBACK**—An extremely early green pod bean which cannot be praised too highly. It is a good grower, vines small to medium and exceedingly productive; the long pods are produced all over the vine, in clusters of from 4 to 12; perfectly round, with a crease in the back; stringless, very fleshy, and of fine quality. Pkt., 10c.; pt., 25c.; qt., 45c.

**RED GIANT WAX**—Long, yellowish-white waxen pods, thick, fleshy and tender, and fine flavored. Pkt., 10c.; pt., 25c.; quart, 50c.

**White Dutch Case Knife**—One of the earliest; a splendid green shell bean, also a fine dry bean for winter use; very productive; a good bean for planting among corn. Pkt., 10c.; pt., 25c.; quart, 45c.

**LAZY WIFE'S**—The pods grow from six to eight inches long, entirely stringless and of a rich buttery flavor when cooked. The pods remain green and retain their tender, rich flavor until nearly ripe. Unsurpassed as white shell beans for winter use. Pkt., 10c.; pt., 30c.; quart, 55c.

**SOUTHERN PROLIFIC**—A very prolific sort, popular in the South; pods green, cylindrical, long, fleshy, crisp and excellent. Pkt., 10c.; pt., 25c.; quart, 55c.

**KENTUCKY WONDER**—A very prolific sort, bearing its pods in large clusters; pods green, often reaching nine or ten inches, nearly round when young, and very crisp. Pkt., 10c.; pt., 30c.; quart, 55c.

**RED SPECKLED CUT-SHORT, OR CORN HILL**—An old variety, very popular for planting among corn, and will give a good crop without poles; vines medium, not twining tightly; pods short, round and tender. Pkt., 10c.; pt., 30c., quart, 55c.

**POWELL'S PROLIFIC**—This bean is a most rampant grower, one plant filling a pole with a mass of vines densely loaded with beans; almost a solid mass of pods from the bottom to the top of the pole. The handsome green pods average eight or nine beans to the pod, grow very uniform, about six inches long; perfectly stringless, very thick meated, tender, rich and buttery; everbearing, and very profitable for market gardeners. Pkt., 10c.; pt., 35c.; qt., 60c.

**HORTICULTURAL, OR SPECKLED CRANBERRY**—Round, speckled bean, tender for snap beans. This old favorite is not excelled for shelling and succotash. Pkt., 10c.; pt., 25c.; quart, 45c.

**YARD LONG, OR CUBAN ASPARACUS BEAN**—This is quite a curiosity. It is a pole bean, with dark green foliage, and pods growing TWO FEET AND UPWARD IN LENGTH. The pods, of such extraordinary length, are produced very abundantly. Per pkt., 10c.

**White Dutch Runner**—An ornamental variety; large white seed and beautiful clusters of white flowers; good as a shelled bean. Pkt., 10c.; pt., 25c.; quart, 45c.

**Scarlet Runner**—Produces clusters of beautiful scarlet flowers, principally grown for ornament; they can also be used as a shelled bean. Pkt., 10c.; pt., 25c.; quart, 45c.

## POLE LIMA BEANS.

Lima Beans will not grow until the weather and ground are warm; if planted before they are apt to rot in the ground.

**EXTRA EARLY JERSEY**—The beans are nearly as large and equally as good as the late sorts, but two weeks earlier. Pkt., 10c.; pt., 25c.; quart, 45c.

**DREER'S IMPROVED**—Vines vigorous and productive; pods short, broad, straight and coarse; beans larger and much thicker than ordinary Limas. Pkt., 10c.; pt., 25c.; quart, 45c.

**CHALLENGER LIMA**—Similar to, but a decided improvement on Dreer's Improved; more prolific, pods and beans larger, of the same shape. It is early and continues bearing its closely crowded clusters of pods until frost. Pkt., 10c.; pt., 25c., quart, 55c.

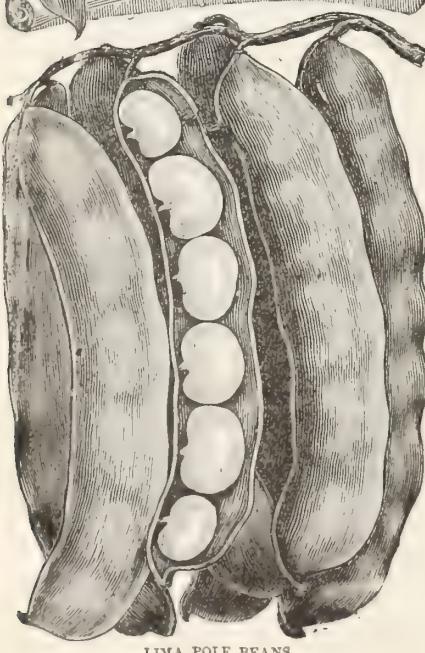
**FORD MAMMOTH-PODDED**—Pods from six to nine inches long, produced in large clusters, and containing from five to seven beans each; of excellent quality for using either green or dry. Pkt., 10c.; pt., 35c.; quart, 60c.

**LARGE WHITE**—Considered by many the most delicious of the bean family. A general favorite for home use or market. Pkt., 10c.; pt. 25c.; quart, 45c.

**Small White (CAROLINA SEEWE or SIEVA)**—Resembles the Large Lima, but has smaller leaves and seeds. Is earlier and more hardy. Pkt., 10c.; pt., 20c.; quart, 40c.

**KING OF THE CARDEN**—A vigorous grower, bearing profusely, large pods varying in length from five to eight inches; beans large and of rich flavor. Pkt., 10c.; pt., 30c.; quart, 55c.

**MAMMOTH KIDNEY-SHAPED**—The beans are extra large and fine every way. Pkt., 10c.; pt., 30c.; quart, 55c.



## BEETS.

as soon as the ground becomes fit to work, in drills about eighteen inches apart and two inches deep. For winter use, the turnip varieties may be sown in June. When the plants have attained three or four inches, thin out so that they stand five or six inches apart. Keep free from weeds by frequent hoeing and hand weeding, if necessary. Before freezing weather sets in, the roots may be stored in cellars or pits, as potatoes. Be very careful not to bruise them in handling.

One ounce of seed to 50 feet of drill, 5 to 6 pounds to the acre.

**NEW LENTZ**—Has a very small top; originated with a market gardener near Philadelphia. It is about as early as Egyptian, producing a crop in six weeks from time of planting, but is larger and of better quality. Lb., 75c.;  $\frac{1}{4}$  lb., 5c.; oz., 10c.; pkt., 5c.

**CROSBY'S IMPROVED EGYPTIAN—Extra Early**—A very superior strain, carefully selected for years by Mr. Crosby, a noted market gardener, whose aim was to secure a perfect forcing variety. The results obtained, were, handsome form, good size, few small tops, very small tap root, fine quality, and, above all, quick, rapid growth. The shape is very desirable, not quite so flat as the ordinary Egyptian, or so round as the Eclipse. Takes on its turnip shape and looks well even in the early stages of its growth, on which account it is preferred for forcing to the Globe and Half Long varieties, which require longer time to grow to presentable market shape. This is a decided advantage to those who force for real early market, and especially for a market where beets are sold in bunches. Once used it is PREFERRED TO ALL OTHERS for forcing in frames or for first sowing outside. Many of our market gardeners place their orders (5 to 25 lbs.) several months ahead, so as to be sure of it at planting time. It is a very good variety for family use. Pkt., 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**ECLIPSE**—A very early and handsome smooth dark, globe-shaped beet with small top; in earliness and quality it is very desirable. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Egyptian**—Very early dark blood red of medium size; tender and sweet; used for forcing. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**MICHELL'S BLOOD TURNIP**—Early; small tops; deep red; desirable for forcing. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

## MANGEL WURZEL AND SUGAR BEETS.

Grown for Feeding Stock.

The value of these for stock feeding cannot be over-estimated. The results from their use are wonderful, as is clearly shown in the improved health and condition of animals, the increased yield of milk in cows, and the great saving of hay. They can be raised at a very trifling cost, and yield immense crops per acre. **Five or six pounds of seed required per acre.**

**COLDEN TANKARD**—An extremely desirable and comparatively new variety which is fast superseding the old sorts. Flesh bright yellow, and in this respect differs from all other varieties, which cut white. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c. By express—lb., 35c.; 5 lbs. at 30c.

**YELLOW OVOID**—Intermediate between the Long and Globe varieties. Oz. 5c.;  $\frac{1}{4}$  lb. 15c.; lb. 40c. By express—lb., 30c.; 5 lbs. at 25c.

**COLDEN GIANT INTERMEDIATE (Yellow Leviathan)**—A decided improvement on Yellow Ovid. Beautiful russet-yellow color; remarkably even in shape; smooth skin; the flesh is white, firm and sweet. Produces enormous crops and is an excellent keeper. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 50c. By express—lb., 40c.; 5 lbs. at 30c.

**Champion Yellow or Orange Globe**—Very productive, easily pulled, and an excellent keeper; spherical in shape; orange-yellow. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c. By express—lb., 35c.; 5 lbs. at 30c.

**Red Globe**—Similar to the Yellow Globe, differing only in color. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c. By express—lb., 35c.; 5 lbs. at 30c.

**MAMMOTH LONG RED** (also called NORBITAN GIANT, JUMBO MANGEL, COLOSSAL, etc.)—A large, well-formed variety; blood-red color; quality exceedingly nutritious. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c. By express—lb., 35c.; 5 lbs. at 30c.

**Mammoth Yellow**—Resembles Mammoth Red in all points except color, which is a bright orange yellow. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c. By express—lb., 35c.; 5 lbs. at 30c.

(SEE SUGAR BEETS NEXT PAGE.)



GOLDEN TANKARD  
MANGEL.



MAMMOTH LONG RED

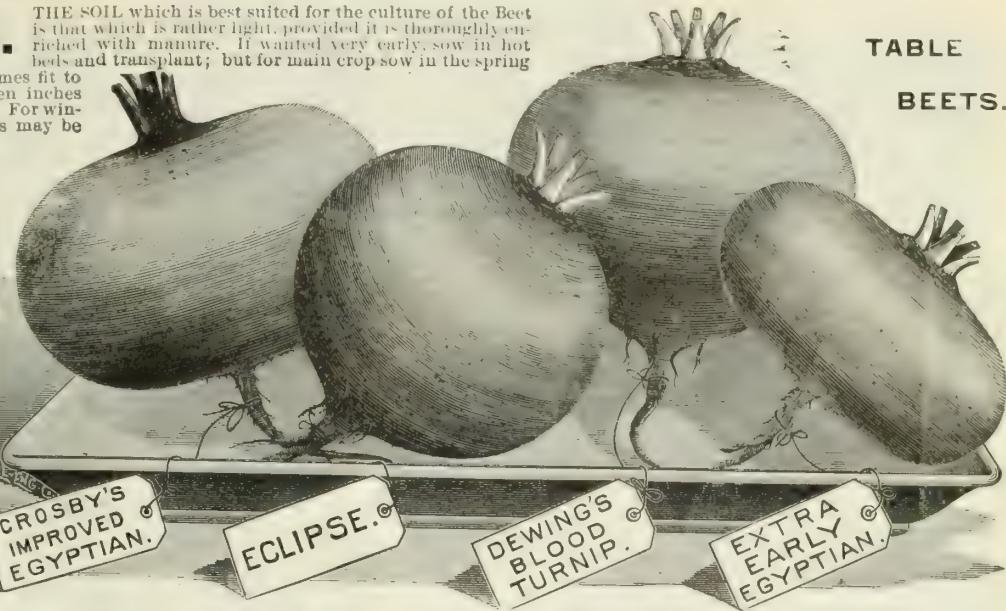
**Newark, O. (Nov. 12, 1892.)**—“The Egyptian Beet is as good as any we have had. Think your CROSBY'S IMPROVED far ahead of it; it gives more marketable beets than any other, and holds its size later in the season.”—A. J. B.

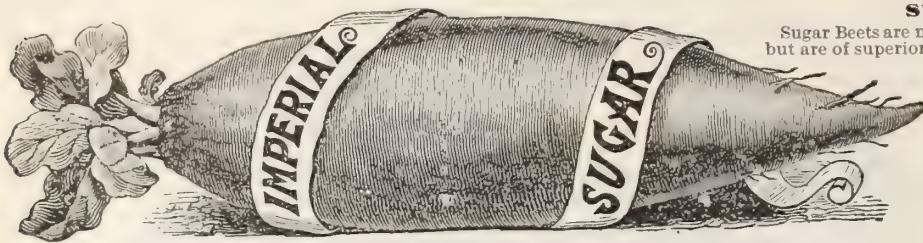
**Greenland, Fla. (Oct. 21, 1892.)**—“YOUR SEEDS ALWAYS GIVE PERFECT SATISFACTION.”—Y. L. C.

**Mansfield, O. (Nov. 10, 1892.)**—“CROSBY'S IMPROVED EGYPTIAN BEET, I was well pleased with, and would like some of the same seed for next season.”—GEO. B.

**South Charleston, O. (Nov. 12, 1892.)**—“THE ECLIPSE BEET seed bought of you last spring were FIRST-CLASS. Had a good crop and they sold well.”—C. S. B.

THE SOIL which is best suited for the culture of the Beet is that which is rather light, provided it is thoroughly enriched with manure. If wanted very early, sow in hot beds and transplant; but for main crop sow in the spring





**VILMORIN'S IMPROVED IMPERIAL**—A medium sized white sugar beet, brought by the most careful selection to the highest perfection, both in shape, size and color of the roots. Greatly esteemed by sugar manufacturers. Oz., 5c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c. By express, lb., 50c.; 5 lbs., \$2.25.

**FRENCH RED TOP**—Ripens early and yields large returns in sugar per acre; heavy cropper. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c. By express, lb., 30c.; 5 lbs., \$1.50.

### BRUSSELS SPROUTS.

This is one of the most delicious of all vegetables, and of easy growth, but is not so well known in America as it deserves. Produces on the stem small heads resembling miniature cabbages. The sprouts are used as greens, and become very tender when touched by the frost. Sow in May, and manage as winter cabbage. In the fall the leaves should be broken down so that the little cabbages will have more room to grow.

**SUTTON'S MATCHLESS**—The leaves are smaller; pale green color; stand out well from the stem. The buttons are large and solid and of delicious flavor, and come into proper condition for use two or three weeks ahead of other sorts. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**Improved Dwarf**—A standard variety, producing compact sprouts of fine quality. It seldom fails to produce sprouts, and is a good keeper. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

### BROCCOLI.

**PURPLE CAPE**—Sow thinly in seed beds about the middle of spring, and transplant and cultivate the same as winter cabbage. Produces heads very nearly like Cauliflower, but more hardy. This variety has large, close heads of a brownish-purple color and good flavor, and is the best for our climate. Pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.75.

## CAULIFLOWER.

safe to be planted in the open ground, which in this latitude is fifteen inches apart. If properly hardened off they are seldom injured by being planted out too early. When heading the outside leaves should be kept growing constantly as it may be injured by a check at any period of its growth. One ounce gives 1,500 to 2,000 Plants. No seed is more important than Cauliflower. Price should not be considered.

**LIVINGSTON'S EARLIEST (SELECT STOCK)**—THE BEST OF ALL FOR FORCING, a compact grower, EXTREMELY EARLY, SURE HEADING; heads large, solid, and as "WHITE AS SNOW." Gardeners who have tested this fine stock prefer it to any other and pronounce it the most profitable variety for forcing under glass, and equal to any for late planting. In short, it is an excellent ALL SEASONS CAULIFLOWER.

Price under our **TRUE BLUE SEAL**—Pkt., 25c.;  $\frac{1}{4}$  oz., \$1.00; oz., \$3.75;  $\frac{1}{4}$  lb., \$14.00.

Tecumseh, Mich., July 23, 1891.—"Seeds purchased of you did remarkably well, especially Cauliflower. We have about six acres of it. We think we cannot raise 'Blue Ribbon' Celery without 'True Blue Seeds.' We had one of the finest Celery Plant beds around here; have sold plants to many different parties."—E. L. RUSSELL.

From J. W. Pullinger, Gardener for the Insane Asylum.—"I send you sample heads of different Cauliflowers, grown from seeds procured of you. I never saw better, either in England or this country, and find LIVINGSTON'S EARLIEST DWARF equal to any for forcing, not excepting the well-known Snowball; heads a trifle larger.

Circleville, O., May 21, 1890.—"You have got hold of one of the finest Cauliflowers I have ever seen: SMOOTH, CLOSE, WHITE AND TENDER."—O. E. NILES.

**HENDERSON'S EARLY SNOWBALL**—One of the best types of Cauliflower on the market. If planted March 1, large-sized heads will be produced early in June, and scarcely a single head will fail to form. The outer leaves are short, so that the plants may be set from eighteen to twenty inches apart. Its compact habit of growth renders it a very profitable variety to force under glass, and it does well for late planting. Our stock cannot be excelled in quality. Pkt., 25c.;  $\frac{1}{4}$  oz., 85c.; oz., \$3.00;  $\frac{1}{4}$  lb., \$10.00.

**HALF EARLY PARIS OR NONPAREIL**—The largest for forcing; early; also good for a succession crop. Pkt., 5c.;  $\frac{1}{4}$  oz., 25c.; oz., 65c.;  $\frac{1}{4}$  lb., \$2.00; lb., \$7.00.

**LENORMAND'S SHORT STEMMED**—A large, late, short stemmed variety, producing well-formed heads of excellent quality. Pkt., 10c.;  $\frac{1}{4}$  oz., 25c.; oz., 75c.;  $\frac{1}{4}$  lb., \$2.25; lb., \$7.50.

### SUGAR BEETS.

Sugar Beets are not as heavy yielders as the Mangels, but are of superior quality, containing a larger amount of saccharine matter. Thousands of acres are planted with Sugar Beets in Europe for the manufacture of sugar. They are excellent for feeding cows, improving wonderfully the quantity and also the quality of the milk.

#### LANE'S IMPROVED IMPERIAL

—An American variety, and the best for the uses such beets are put to in this country. It is not so sweet as the French Sugar beets grown es-

pecially for Sugar making, but the roots are longer and more symmetrical, of fine grain and very sweet, making it good for table use or for cattle feeding (See cut.) Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 45c. By express—lb., 35c.; 5 lbs., \$1.50.

**FRENCH YELLOW**—Grows to a large size, much above ground; roots half long, yellow; grown in this country for feeding stock. In France it is cultivated extensively for sugar. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 45c. By express, lb., 35c.; 5 lbs., \$1.50.

### COLLARDS.

A plant of the cabbage family. It is well adapted to the South, enduring extreme heat; very popular; excellent for greens.

**True Southern**—Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.15.

### CRESS OR PEPPER GRASS.

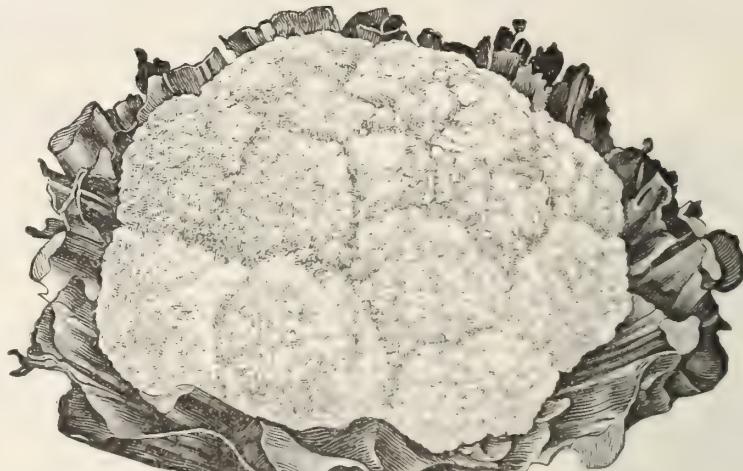
A well-known pungent salad; can be used alone or with Lettuce. Requires to be sown thickly (covering very slightly), at frequent intervals, to keep up a succession, as it soon runs to seed.

**CURLED CARDEN**—Very fine; may be cut two or three times. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**UPLAND CRESS**—It is a hardy perennial, stays green nearly the whole year and is ready for use before any other salad in the spring. Eaten like Lettuce or boiled like Spinach. It has the highly prized flavor of the Water Cress. Pkt., 5c.

**WATER CRESS**—This is a well-known hardy perennial aquatic plant, sold in immense quantities in our markets in spring. It is easily grown by planting along the margins of ponds and streams, where it increases both by spreading of the roots and by seeding. It has a particularly pleasant, pungent taste. Pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00.

The culture of Cauliflower is similar to Cabbage. It delights in a rich, moist soil, and in dry seasons should be abundantly watered, especially when heading. Sow in the hot bed in January or February, and transplant the plants two or three inches apart in boxes, or in the soil of another hot-bed, until such time as they are usually from the 15th of March to the 10th of April. Set the plants two feet by two feet apart. When heading tie the outside leaves to keep growing constantly as it may be injured by a check at any period of its growth.



LIVINGSTON'S EARLIEST CAULIFLOWER

**LARGE LATE ALCIERS**—Well known as the VERY BEST LATE VARIETY; popular with canners and market gardeners everywhere. Never fails to produce large white heads. Pkt., 10c.;  $\frac{1}{4}$  oz., 25c.; oz., 75c.;  $\frac{1}{4}$  lb., \$2.50; lb., \$8.00.

**EXTRA EARLY DWARF ERFURT**—The favorite German variety. Dwarf habit, compact growth, short outside leaves; can be planted 20 inches apart. Pkt., 25c.;  $\frac{1}{4}$  oz., 75c.; oz., \$2.50;  $\frac{1}{4}$  lb., \$8.00.

**VEITCH'S AUTUMN GIANT**—The heads are beautifully white, large, firm and compact, and being thoroughly protected by the foliage, remain long fit for use. A good sort to plant in the South. Pkt., 5c.; oz., 65c.;  $\frac{1}{4}$  lb., \$1.75; lb., \$6.50.



VERY EARLY ETAMPES CABBAGE.

**VERY EARLY ETAMPES**—The earliest of all cabbages except Express. Heads oblong, rounded at top, solid and firm, medium size very fine quality. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**New Straitsville, O.** (March 8, '92)—"The ETAMPES CABBAGE seed sent me last year produced the very best heads of early cabbage I ever grew, producing large, compact heads ready for use on the 10th of July."—MARY J. P.

### EARLY JERSEY WAKEFIELD

**Selected Stock**—Many market gardeners consider this the very best Early Cabbage in cultivation. It is certainly deserving of its great popularity, and is grown very extensively for market and shipping. Its merits are many, among which may be mentioned its large size head for an early sort, small outside foliage, and its uniformity in producing a crop. The heads are pyramidal in shape, having a blunted or rounded peak. This is the sort mostly used for wintering over in cold frames. The seed we offer is first-class and sure to give satisfaction. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 80c.; lb., \$3.00.

**EARLY DWARF FLAT DUTCH**—An excellent second early variety, producing fine large heads after the first-early varieties have disappeared. Highly valued, both for its fine quality and ability to resist heat. Heads are very solid, broad and round, flattened on top; tender and fine grained. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**LARGE EARLY YORK**—One of the earliest; heads small, heart-shaped; fairly firm; good quality. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$1.25.

**ALL SEASONS**—A greatly improved strain of Early Flat Dutch. Heads very large, round, solid, and of the quality, keeping as well as the winter sorts. Plant very vigorous, but sure heading. Remarkable for its ability to stand the hot sun and dry weather. *One of the very best sorts for general cultivation.* Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**Early Louisville Drumhead**—A favorite about Cincinnati and Louisville, where it has been grown for over 35 years. Heads very large and solid; a sure header; will stand without bursting almost the entire summer. May be had for winter use by sowing later in the season. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**GREGORY'S CANNON BALL**—One of the best of all early sorts; heads round, very hard, solid and heavy. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**LOW'S PEERLESS EARLY**—Nearly equals the Wakefield in earliness, is very solid, uniform in size, averaging about 12 pounds, although it has been forced to 20 pounds; remains a long time after heading without bursting. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

# CABBAGE.

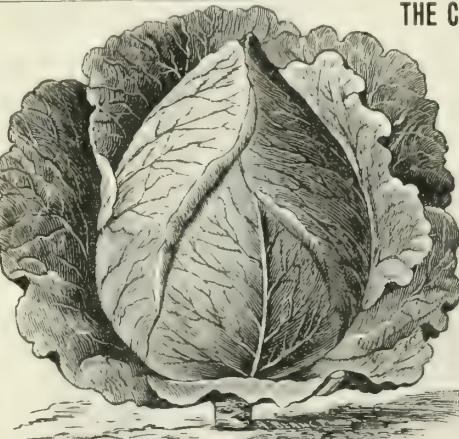
This vegetable requires deep, rich, mellow soil, high manuring and good culture, in order to obtain fine, solid heads. For early use, sow seed of the early kinds in the hot bed, or in a box in the house, the last of January or early in February, and transplant them in the open ground in April, in rows two feet apart and eighteen inches between the plants in the row; or sow a bed of seed outside as soon as the soil can be worked, if you do not care for real early cabbage. These may be transplanted in about four weeks. For second early cabbage, sow in April and transplant in May. For late cabbage, sow in May and transplant in July, in rows three feet apart and two feet apart in the row. In transplanting cabbage or cauliflower it is important that the plants be set down to the first leaf, so that the stem may not be injured in case of frost. Be careful not to cover the heart of the plant. Hoe every week and stir the ground deep. As they advance in growth draw a little earth to the plants until they begin to head. To prevent the splitting or bursting of cabbage go frequently over the ground and start every cabbage that appears to be about to mature, by pushing them over sideways, which breaks some of the roots and checks its growth. To prevent the attacks of cabbage fly on small plants, dust thoroughly with plaster, air-slacked lime, or use wood ashes freely over the young plants. For the cabbage worm, try "Slug Shot." (See Insect Destroyers.)

**One ounce of seed produces about 1500 plants. A half-pound grows enough plants to set an acre.**

**Rome, Ga.** (July 2, '92)—"I cut 700 of your WAKEFIELD CABBAGE today and they are as fine as I have ever seen. Began cutting two weeks ago (May 14.)"—J. W. N.



EARLY JERSEY WAKEFIELD CABBAGE.



LARGE JERSEY WAKEFIELD CABBAGE.

**EARLY DRUMHEAD**—An early variety, very dwarf, with medium sized heads; comes in about with the Early Flat Dutch. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**HENDERSON'S SUCCESSION**—It is about one week later than the Early Summer, but of double the size, while it can be planted nearly as close its outer leaves being unusually short. One of its characteristics is the fact that it is **ALWAYS SURE TO HEAD**. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**FOTTLER'S IMPROVED, or SHORT STEM BRUNSWICK**

—A rapid grower, has large, solid heads, and but few outside leaves. If planted early it is ready for use in July or August; planted late it is a choice winter sort. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.



EARLY SUMMER CABBAGE.

**HENDERSON'S EARLY SUMMER (Selected Stock)**—Is about ten days later than the Wakefield, but being fully double the size, it may be classed as decidedly the best large early cabbage, and is deservedly popular with market gardeners. In weight it is equal to most of the late varieties, and its short outer leaves allow it to be planted nearly as close as the Wakefield. It keeps longer, without bursting open after heading, than any other variety we know of. Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.



EXTRA EARLY EXPRESS CABBAGE.

### EXTRA EARLY EXPRESS

**Earliest Cabbage**

**In the world**—This new and very early cabbage, while not as large as the Jersey Wakefield, is several days earlier, and for a first early variety cannot be excelled. It resembles the Etampes in character and appearance, having solid, compact heads of conical form, of a yellowish green color, very dwarf and very uniform. Desirable as a quick forcing sort. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.50.

### THE CHARLESTON, or Large Wakefield

**Large Wakefield**—This variety is a selection from the Early Jersey Wakefield, only about a week later than that popular early variety; grows fully twice as large, head often averaging 15 to 18 lbs. Produces heads as large and solid as Winnigstad being as large and as sure a header as that sort yet exceeding it in earliness; preferred to it by many growers. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.00.



GREGORY'S CANNON BALL CABBAGE.

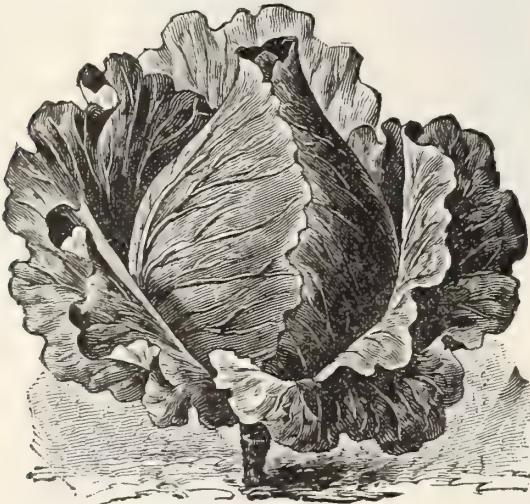


CHASE'S EXCELSIOR CABBAGE.

**AUTUMN KING**—One of the FINEST, strains of Late Cabbage ever offered. It produces regular, even heads of ENORMOUS size, and can be relied upon to produce a greater weight of crop from the same space of ground than any other late sort, from the fact of its producing so few outer leaves, going all to head. Pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1; lb., \$3.50.

**FILDERKRAUT**—Introduced from Germany several years ago; it is very solid and sure to head; heads are pointed conical; resembles the well-known Winningstadt, but is larger in every way and more pointed. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**BURPEE'S SURE HEAD**—A very reliable header, large, round, flattened heads of the Flat Dutch type; a good keeper and shipper, and has become exceedingly popular. Pkt. 5c.; oz., 25c.;  $\frac{1}{4}$  lb. 75c.; lb. \$2.50.



EARLY WINNINGSTADT CABBAGE.

**EARLY WINNINGSTADT**—A well-known and very popular variety, in season very close to the Wakefield; heads large, decidedly conical, leaves bright, glossy green; heads solid and hard, even in summer. This is a very sure-heading variety, valuable not only for early use, but also for winter cabbage. As near worm proof as any cabbage in the list. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.90.

**MARBLEHEAD MAMMOTH**—The largest cabbage in the world. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**BIG CABBAGE.** "I have used your seed for TWELVE YEARS and have never been disappointed in them. I have grown MANY ACRES of your **Livingston's Premium** Cabbage and it has ALWAYS been the BEST that has been in any market I have sold in. I have measured heads that were raised WITHOUT MANURE of any kind that were  $13\frac{1}{2}$  inches across and  $8\frac{1}{2}$  inches deep, WHEN TRIMMED FOR MARKET.—W. A. JONES, Omega, Ohio.

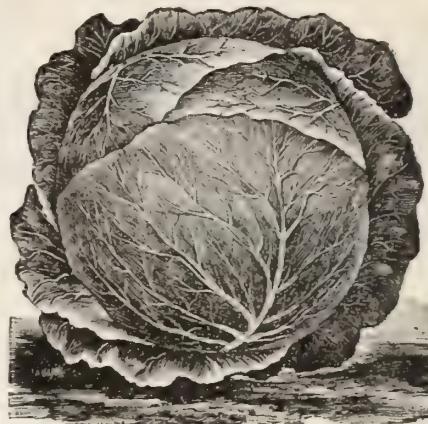
**Mt. Ephraim, O.** (April 2, 1892)—I have been planting your seeds for six years and have always been satisfied with them and pleased with your promptness and honest dealings. I thank you very much for the extra seeds you have sent with each order. You have my best wishes for the continued success which you so richly deserve—MRS. D. W.

### CHASE'S EXCELSIOR CABBAGE.—All the Year Round Variety.

We have made an specialty of this Cabbage for many years and never introduced anything that gave better satisfaction. It is a medium early variety, following Early Summer, but with heads almost double the size. It can be planted (as a second crop) twenty days later than the Flat Dutch, and still mature almost as many pounds to the acre. It is very uniform in type, sure to head, and is exceedingly solid. Very few varieties will produce so many well formed, large, solid heads from the same number of plants. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**EAST BRANCH, N. Y.**—Last year I raised 400 good heads of Chase's Excelsior from a 5c. pkt. of your seed.—A. B. M.

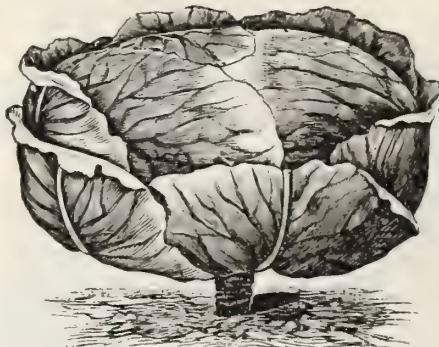
**Freelove, Tenn.** (Feb. 26, 1892)—"We got some of your seed last year and they proved to be the best we had ever raised; the cabbage seed were especially fine."—L. J. C.



SUREHEAD CABBAGE.

**STONE MASON**—A short stemmed, excellent late market sort. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**DANISH BALL-HEAD**—A variety from Denmark, where it is so highly prized that they grow it almost exclusively for winter cabbage, and annually export large quantities. Has been selected for more than fifty years by Danish Gardeners. Heads are hard, round, of good marketable size, fine grained and good keepers. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.



LIVINGSTON'S PREMIUM FLAT DUTCH.

**LIVINGSTON'S PREMIUM FLAT DUTCH.**—For the winter market it has no superior. Heads are large and very solid; they open white, crisp and tender. It is a fall and winter variety, and with good cultivation is sure to head. Grown almost exclusively by marketmen on account of its good shipping qualities. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

### SAVOY CABBAGE.

The Savoys are of much finer flavor and quality than the best of other cabbages. They are particularly adapted for private use, where quality rather than quantity is desired. Grown in fall and allowed to be touched by frost, it is one of the most delicious of all vegetables and should be more generally cultivated.

#### PERFECTION DRUMHEAD SAVOY.

The best late Savoy. Heads large and very finely curled; short stalk and compact grower; an excellent keeper. Partakes of the size of the Drumhead, with the curled leaves and fine flavor of the Savoy. Far superior to the ordinary imported Drumhead Savoy. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**EARLY PARIS SAVOY**—The best early Savoy. It matures very early, the heads are firm, solid, beautifully crimped, and of finest quality. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.25.

### RED PICKLING CABBAGE.

**Extra Early Dark Red Erfurt**—The earliest and finest red. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**Red Drumhead**—Head large, rounded in shape, hard; very deeply colored at the heart. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**Ciant Red Erfurt**—A strain much larger than the **EARLY ERFURT**, but very deep red and hard heading. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**MAMMOTH ROCK RED**—Heads are as large as the Flat Dutch, deep red to the center; highly recommended. Hard as a rock. Pkt., 10c.;  $\frac{1}{2}$  oz., 20c.; oz., 35c.; 4 ozs., \$1.25.



DRUMHEAD SAVOY.

## CARROTS



GOLDEN BALL.



NANTES EARLY.



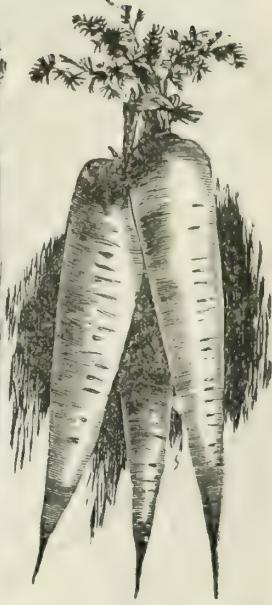
INTERMEDIATE RED.



DANVERS.



BELGIAN.



LONG ORANGE.

THE Carrot, like other root crops, flourishes best in a well enriched sandy soil, deeply tilled, and if plowed the fall before all the better. Should be sown in early spring in drills from 15 to 18 inches apart, finally thinning plants to about three or four inches in the drill; keep clean by frequent hoeing and weeding. If neglected the young plants are easily smothered, and your crop is lost. The seed is slow to germinate, and if sown early or on moist soil half an inch is deep enough to cover the seed. **One ounce sows 150 feet of row. Four pounds will sow an acre.**

**VERY EARLY SCARLET OR GOLDEN BALL** (Also called EARLY SHORT HORN)—This is the earliest carrot in cultivation, and best suited for forcing. Small tops and tap root, round as a turnip; small size; very rich orange color. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.10.

**EARLY SCARLET SHORT HORN**—One of the most popular.

Stump rooted, second in size; fine for forcing; deep orange; flesh fine grained and of agreeable flavor; top small. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**NANTES EARLY LONG SCARLET**—Improved stump-rooted Horn, large,

sweet, fine flavored, almost without a core; very fine grained; excellent for the home garden and market. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

**INTERMEDIATE RED**—An excellent new English sort, valuable as a bunching variety. It is smooth, and nearly the Danvers in size; flesh very close in texture, and almost without core; a fine cropper. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

**OX-HEART, OR CUERANDE**—Intermediate in length between Early Horn and Danvers, and fully 3 to 5 inches in diameter. In quality it is extra good. Where other sorts require digging, Ox-Heart can be easily pulled. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**DANVERS**—One of the most productive and best for field culture. Tops medium, roots dark orange colored; large, but of medium length, tapering abruptly at the point, very uniform and handsome; flesh deep orange with yellow center, sweet and tender. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

**OX-HEART CARROT.** **IMPROVED LONG ORANGE**—A standard late variety, handsome and uniform in shape; deep orange color; good flavor; yields heavily. It requires a deep soil, and the plants should stand eight inches apart, in eighteen inch drills, for the roots to attain their full size. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

## CHICORY.

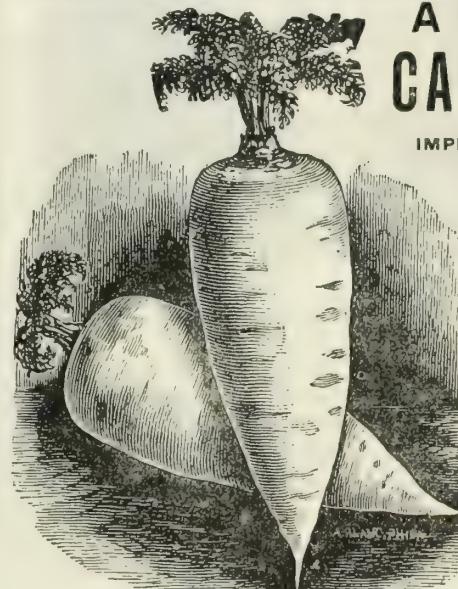
**Large Rooted**—Used to mix with or as a substitute for coffee. Cultivate the same as for Carrot. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

## CORN SALAD OR FETTICUS.

A vegetable used as a salad. It is sown on the first opening of spring, in rows one foot apart, and is fit for use in six or eight weeks from sowing. If wanted in early spring, sow in September, cover with straw or as soon as cold weather sets in. Can be grown in cold frames, cov-



EARLY SCARLET SHORT HORN CARROT.



IMPROVED SHORT WHITE CARROT.

## BELGIAN CARROTS.

These are largely grown in Europe for feeding stock, especially horses, by which they are much relished. They grow about twenty inches long, are enormously productive, keep well, and are very nutritious.

**LARGE ORANGE BELGIAN**—Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 75c. **LONG WHITE GREEN TOP**—Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 75c.

**Special Prices on application for larger quantities.**

ered with straw mats or shutters, and used any time during the winter. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

## DANDELION.

The Dandelion resembles the Endive, and is sometimes cultivated for spring greens, or by blanching for salad. The roots, when dried and roasted, are often used as a substitute for coffee. Seed should be sown in May or June, in drills half an inch deep, and twelve inches apart. Plants ready for use the following spring.

**LARGE-LEAVED**—Leaves fully double the size of the common Dandelion. A great advance over the old variety. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., \$1.50.



WHITE PLUME CELERY.

**WHITE PLUME.**—*The Earliest. The Handsomest. Easiest Crown and Most Profitable for Early Market.*—It is almost self-blanching; naturally its stalk and portions of its inner leaves and heart are white so that by closing the stalks, either by tying or simply drawing the soil up against the plant and pressing it together, the work of blanching is completed. In appearance it is very ornamental. It is unsurpassed for fall and early winter use, and is more extensively grown for market than any other. It is a good keeper up to the holiday season. But for later use we would advise growing some of the more hardy kinds offered below. OUR SEED of this cannot be excelled in quality and purity. We have made a specialty of it ever since its introduction and are supplying many of the largest growers throughout the country. Pkt. 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**GIANT PASCAL.**—Since the introduction of White Plume no variety has been a more marked and valuable improvement. Developed from the Golden Self-Blanching, it retains the beautiful color, the thick, solid, crisp stalks, and the incomparable flavor of that variety, but is of much stronger growth, also larger, producing perfectly blanched stalks, over two feet in length and proportionately thick, yet *never in the least stringy*. It is unequalled for rich nutty flavor, absolutely free from any bitter taste. Blanches very easily, and "as brittle as a pipe stem." The ease with which it is blanched is remarkable, as only earth enough to hold it in an upright position is required. Fine keeper and excellent shipper, retaining color and fresh appearance longer than any other. For mid-winter and early spring it cannot be excelled. Pkt., 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 65c.; lb., \$2.25.

**GOLDEN HEART.**—A distinct variety of sturdy dwarf habit. It is solid, an excellent keeper, and of fine nutty flavor. When blanched, the heart, which is large and full, is of a light yellow, making it an exceedingly showy and desirable variety for either market or private use. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**GIANT GOLDEN HEART.**—This variety has been produced by careful selection and high culture from the Dwarf Golden Heart, by one of the best Celery growers in this country. In quality, appearance and size, this variety leaves nothing to be desired. We can recommend it as one of the best late varieties for the Market Gardener, while its fine flavor and rich color make it very desirable for private use. It is very hardy and is held in high esteem among our home gardeners. Pkt., 10c.; oz.,  $\frac{1}{4}$  lb., 65c.; lb., \$2.25.

# CELERY.

WE SUPPLY MANY LARGE GROWERS WITH OUR HIGH GRADE SEED.

**CULTURE.**—Celery can be successfully grown with but little labor, in any good garden soil, if plenty of well-rotted manure or high grade fertilizer is used. It delights, however, in low, moist, rich-bottom land, or well drained muck soil. It is usually grown as a second crop.

**Growing the Plants.**—It is not necessary to sow the seeds in a hot bed or cold frame, as it is apt to run to seed if started too early, especially in our warm climate, but sow in the open ground as soon as it is fit to work in April. Sow in rows so that it can be kept free from weeds. Prepare the soil well and cover the seed very lightly. It is quite slow to germinate. After coming up the plants should be shaded partially for a week or ten days, and see that the soil does not get too dry. When about two inches high thin out and transplant to two inches apart. When four inches high cut off the tops. This may be done again later, and will insure good "stocky" plants.

**Transplanting.**—The evening is the best time, and especially if after a shower; otherwise give them a good watering, and you will lose but very few plants. Remember that it is essential that the soil be pressed firmly about each plant when set out; especially if done in a dry time, the old method of setting in deep trenches is a thing of the past. Some of our most successful growers set on the level surface, while others prefer a broad, shallow trench, only three or four inches deep. These should be at least three feet apart for the dwarf, and not less than four feet for the larger sorts; set plants in single rows, not over six inches apart in the trench. Transplanting is done about the middle of June for first early, and as late as the middle of August for the latest. Keep well cultivated, and in about six weeks "handling" should begin, (never do this when wet from rain or dew.) This is done in order to make the celery grow upright. The soil is drawn to the row from each side with an ordinary hoe. Now take all the leaves of the plant in one hand and with the other draw the soil around it, pressing firmly, being careful that no soil gets between the leaves, as it is apt to cause rust, or rot the plant. In about two weeks, or as often as is necessary to keep the leaves in this upright position, more soil must be drawn to the row. No variety is entirely self-blanching. **One ounce of seed produces 2000 plants.** For fuller details on growing, storing and marketing Celery, send for the latest, best and most complete work ever written on the subject—"CELERY GROWING AND MARKETING A SUCCESS"—handsomely bound in cloth, and fully illustrated, published by one of the largest and best growers of high grade Celery in Michigan. We send it *postpaid*, for only \$1.

**BOSTON MARKET**—For many years the most popular sort in the markets of Boston. It is a vigorous grower, quite dwarf and very branching; an excellent keeper, and is remarkably tender, crisp and solid. The best variety for light soils. A late keeper. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.

**EARLY ARLINGTON**—An extra early strain of Boston Market, somewhat larger, free from blight, and not inclined to run to seed; blanches easy, and is a strong grower. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.30.

**CRAWFORD'S HALF DWARF**—The favorite variety with New York City Gardeners. When blanched it is of rather a yellowish-white, and is entirely solid, possessing the nutty flavor peculiar to the dwarf kinds, while it has much more vigor of growth, surpassing most of the large growing sorts in weight. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.75.

**PERFECTION HEARTWELL**—The best flavored, most crisp and tender of the white varieties. A little taller than the Crawford's Half Dwarf, and a little later maturing. The stalks are medium sized, round, very solid, crisp and tender. A favorite with many. Pkt. 5c.; oz. 20c.;  $\frac{1}{4}$  lb. 60c.; lb. \$2.

**FROM THE LARGEST CELERY GROWER IN CENTRAL OHIO.**—(Nov. 23, 1892)—"Have sold 1500 dozen Celery this week. The GIANT PASCAL can down them all for quality."—T. O. MILLER.



GIANT GOLDEN HEART CELERY.



GOLDEN SELF-BLANCHING CELERY.

## CELERY—Continued.

## GOLDEN SELF-BLANCHING (GOLDEN

LARGE SOLID)—It is quite as self-blanching as White Plume. The entire plant is of a yellowish-green color and as it approaches maturity the inner stems and leaves become a beautiful yellow, adding much to its beauty. It grows to a good size, is very tender, crisp and solid, and when well grown and blanched, it is of excellent quality and very beautiful. The readiness with which it is blanched and rendered marketable makes it invaluable to the gardener and exceedingly popular with every planter. An excellent sort for early planting, and a good keeper. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**NEW ROSE**—The red and pink Celeries have been deservedly gaining in popular favor for several years past, because they are harder and better keepers than the yellow and white sorts, and because of their superior flavor and crispness. This new sort combines with the above fine qualities, a handsome appearance which renders it an attractive ornament to the dinner table, the heart and stems being shaded to a fine rose color. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**DAWRF WHITE SOLID**—Dwarf white, of stiff, close habit; solid, crisp and juicy. Said to keep in good order later in the season than any other variety. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**Giant White Solid**—Fine, large size, tall and of stiff growth. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.90.

**LARGE RED SOLID**—Dark crimson, unusually solid. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.90.

**OLD CELERY SEED**—Used for flavoring soups, pickles, etc. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c. By express, lb., 30c.; 4 lbs., \$1.00.



NEW ROSE CELERY.

**CELERIAC—Turnip-Rooted Celery.**

**Giant Smooth Prague**—A very large and smooth variety, free from side roots. A desirable sort for market and an excellent keeper. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

## SWEET CORN.

Sow the seed in same way that Celery seed is sown. Transplant in rows 2 feet apart and 9 inches in the row. Thorough cultivation is necessary to secure good roots.

The Sweet, or Sugar Corn varieties, being liable to rot in cold or wet ground, should not be planted until May, or when the ground has become warm, and for a succession plant every two weeks until the last of July, in hills 2 x 3 feet for the early kinds, and 3 x 4 for the large, late kinds. Some plant in drills  $3\frac{1}{2}$  feet apart, and eight inches in the row. Give frequent and thorough cultivation. One quart plants 200 to 300 hills; eight or ten quarts for an acre.

**PRICES OF ALL KINDS, (except otherwise noted):** **POSTPAID**—Packet, 5 cents; pint, 20 cents; quart, 35 cents. **NOT PREPAID**—Bushel, \$2.75; peck, 75 cents; quart, 20 cents.

## LIVINGSTON'S EVERGREEN SUGAR

We have grown this variety over thirty years; it is extensively grown by our home marketmen as a general market corn, and can be planted here as late as the first week in July; it is a first-class second early, very productive, has large well-filled ears with deep, broad kernels and very small cob, filled well over the tips very sweet (none sweeter); sells in this market from two to three cents per dozen more than any other variety.

**EXTRA EARLY ADAMS**—The hardest and earliest white corn known; is not a Sugar Corn, but on account of its being largely sold for table use we class it among the Sugar Corns. It can be planted earlier than any other; ear short, grain white, indented.

**EARLY ADAMS**—Similar to Extra Early Adams; larger, but not so early. Often used for the table, particularly in the South.

**EXTRA EARLY CORY**—The earliest variety of sweet corn known. Has a large ear considering the size of the stalk, small cob, well filled with broad grains. It is larger eared, and at least a week earlier than the Marblehead.

**WHITE CORY**—In all respects identical with the above except in color, kernels and cob being white. This removes an objection some have to the Cory on account of its color.

**EARLY MAINE**—This variety comes from the State whose name it bears, and whose latitude is an indication of earliness in all vegetation. It has a pure white cob with a rich, cream white kernel, sweet and juicy. A fine ear of good size, stalk medium. Said to be as early as Cory.

**STABLER'S PEDICREE EXTRA EARLY**—A very popular variety with Philadelphia gardeners, noted for its earliness and sweetness.



LIVINGSTON'S EVERGREEN SUGAR CORN.

**PEE-AND-KAY**—Only a few days behind the earliest. It has an ear about the size of Evergreen: kernels large, white and sweet; ears are ten to twelve rows, large and plump; stalks strong, bearing two to three ears.

**CROSBY'S EARLY**—Early, and a great favorite in the markets of large cities. It forms rather small ears, but is productive and of excellent quality.

**EARLY MINNESOTA**—This old favorite is one of the earliest sorts of sweet corn, and is highly esteemed for its excellent qualities.

**SHAKER'S EARLY**—A splendid market sort, ready about the same time as Early Minnesota, but the ears are much larger. The stalks, in good soil, attain a height of six feet, bearing usually two large ears, well filled out to the tips of the cob; the kernels are large, white, and of delicious flavor.

**EARLY MAMMOTH**—Ripens two weeks earlier than Late Mammoth, which variety it much resembles; the ears are fully as long, but more tapering; quality good; a splendid market sort.

**STOWELL'S EVERGREEN**—Grown more extensively than any other; a great favorite with canner and market gardeners for late use. The ears are of large size; kernels very deep, tender and sugary; very productive, and remains ~~long~~ in fit condition for table use.

**Bridgewater, Conn.**—“We had most lovely NEW Rose Celery from your seed last year. Have sent for more in this order.”—Miss R. A. Atchilles.

## SWEET CORN—Continued.

## PRICES FOR ALL KINDS

EXCEPT OTHERWISE NOTED.

POSTPAID—Packet, 5c.; pint, 20c.; quart, 35c.

NOT PREPAID—Quart, 20 cts.; peck, 75 cts.; bushel, \$2.75.

LIVINGSTON'S  
Gold Coin Sweet Corn.

This grand new Sweet Corn, of which we were the original introducers, is no old variety under a new name; it has given great satisfaction the past four years, and has been universally pronounced decidedly distinct from anything ever sent out before, besides one of the best Sweet Corns in existence. We have never seen a corn that will approach it in evergreen properties. Its yield is enormous, almost invariably yielding two and very frequently three mammoth ears to the stalk. The cob is very white, completely covered with large, very deep, handsome and toothsome kernels which, as they grow too hard to eat, take on gradually a beautiful rich yellow color. By mail, (postpaid)—Pkt., 10c.; pt., 25c.; qt., 40c. By express, (not paid)—Bus., \$3.50; pk., \$1;  $\frac{1}{2}$  pk., 60c.

**EARLY BONANZA.**—An early variety with ears as large as Evergreen. This valuable variety originated a few years since with a market gardener who had in market, several weeks ahead of any of his competitors, large, fine ears of sweet corn in great abundance, for which he obtained the highest prices. It is early as Minnesota, Crosby's and other early varieties, while the ears much are larger. It is exceedingly prolific, bearing two or three good ears to the stalk.

**EARLY LARGE EIGHT-ROWED.**—A fine early sort: the ears are of large size and have eight rows. delicious quality.

**HENDERSON'S NEW RED COB EVERGREEN.**—A sport from Stoddard's Evergreen with red cob and slightly earlier. A most excellent table corn.

**EGYPTIAN SWEET.**—One of the best late varieties, and certainly the handsomest of all the late sorts. Ears large, none more uniform, and excels all in filling out perfectly at the tip end; cob and grain white. Very productive and used extensively for canning.

**MAMMOTH SUGAR.**—This produces larger ears than any other sweet corn, single ears at times attaining a weight of two or three pounds.

We can supply the following well-known varieties of Sweet Corn—price of each postpaid, packet, 5c.; pint, 20c.; quart, 35c. By Express, bus., \$2.75; peck, 75c.; 4 quarts, 50c.

Perry Hybrid,  
Potter Excelsior,  
Old Colony,

Russells Prolific,  
Hickox,  
Triumph,

Marblehead Early,  
Moore's Concord,  
Black Mexican.



As soon as the weather becomes settled and warm, plant in hills from four to six feet apart each way, with eight or ten seeds in each hill; cover half an inch deep, smoothing the hill off with the hoe. Keep the soil well stirred, and when the plants are out of danger of insects, leave three or four plants to the hill. For pickles, plant from the first of June to the first of August. The fruit should be gathered when large enough, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness. One ounce to fifty hills. One to two pounds for an acre.

**CHICAGO, OR WESTERFIELD PICKLING.**—Very popular with Chicago market gardeners, and extensively grown in that vicinity.

Fruit medium length, pointed at each end, with very large and prominent spines; color deep green. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

## SWEET CORN FOR FODDER.

There is nothing better for green feed or for curing for winter than Sweet corn. Cattle highly relish it, and when fed on it, keep in fine condition, and give an abundance of milk. It has the great merit of being so sweet and palatable that cattle eat every part of the stalks and leaves, and consequently none is wasted. Also excellent for soiling. Sow thickly in drills or broadcast, at the rate of two or three bushels per acre. PRICES SUBJECT TO MARKET CHANGE. Peck, 50c.;  $\frac{1}{4}$  bus., 80c.; 1 bus., \$1.50. Bags of  $\frac{1}{2}$  bus., \$3.50; 2 bags, \$6.50; 4 bags, \$12.00. No charge for bags.

## FIELD AND POP CORNS.

For various Field and Pop Corn Varieties see Farm Seed Department.

**SPECIAL PRICES** given on application to parties wishing to purchase large quantities of Sweet Corn.

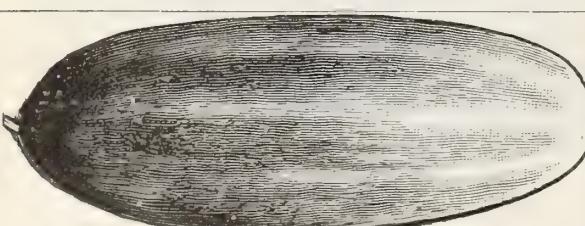
## CUCUMBERS.

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## SLUG SHOT IS DEATH TO THE BUGS.

**LIVINGSTON'S EVERGREEN CUCUMBER.**—See Novelty List.

**HILL'S FORCING.**—See Novelty List.



EXTRA EARLY WHITE SPINE CUCUMBER.

**EXTRA EARLY WHITE SPINE.**—For Forcing.—Every market gardener knows the value of a well selected and fixed strain of extra early Cucumber, especially for forcing purposes. We feel confident that no one offers any finer stock, from the fact it has been carefully selected for many years with this object in view. It is also an excellent variety for slicing, and makes a choice pickle, straight and smooth; also, a great bearer, and keeps green much longer than the yellow varieties. SELECTED SEED, pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

**EXTRA EARLY RUSSIAN.**—The earliest, small, hardy and productive; excellent for small pickles. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.

**EARLY GREEN CLUSTER.**—A short, prickly variety, bearing in clusters near the root; very prolific; very good for table use. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**BOSTON PICKLING.**—Very popular in Boston market. It is of medium length and a great producer. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

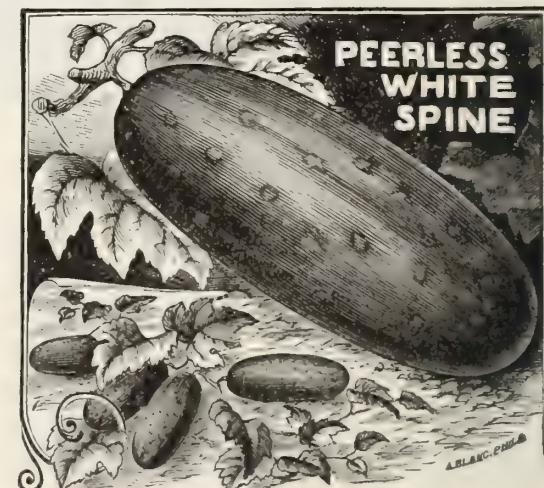
**GREEN PROLIFIC.**—One of the best pickling sorts. Its characteristics are its uniform growth, hardly ever yielding Cucumbers too large for pickling, and its immense productiveness. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 70c.

**Early Frame, or Short Green.**—A popular variety, medium size. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 65c.

**CHICAGO, OR WESTERFIELD PICKLING.**—Very popular with Chicago market gardeners, and extensively grown in that vicinity.

Fruit medium length, pointed at each end, with very large and prominent spines; color deep green. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**THORBURN'S EVERBEARING.**—Small sized: very early and enormously productive, and valuable as a green pickler. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.



**PEERLESS WHITE SPINE.**—One of the finest strains of Early White Spine in cultivation. The fruit is of good size, straight and well formed, full at both ends; productive; skin deep green, holding color until maturity. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

## CUCUMBERS—Continued.

**NICHOLS' MEDIUM GREEN** (HEADQUARTERS STOCK)—This Cucumber we obtained some fifteen years ago, and after a thorough trial and several years' careful growing and selecting offered it to the public in our Novelty List in 1884. It is worthy of the first place among pickle sorts, second to none as a slicer, and very good for early forcing purposes; in color dark green, flesh crisp and tender, productive, MEDIUM in size, always straight and smooth; a real handsome, good variety. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**GIANT PERA**—This magnificent variety is of most delicious flavor; flesh white, very crisp and tender at all stages, and can be eaten at any time during growth. Enormous size, frequently one and one-half feet in length and ten inches in circumference; very smooth and straight, with a beautiful green skin free from spines. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**TALBY'S HYBRID**—An excellent variety for family use; straight, smooth and handsome. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**EXTRA LONG, OR EVERGREEN WHITE SPINE**—Longer than the Peerless, of fine quality for family use. When about five inches long makes a good Pickle. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**IMPROVED WHITE SPINE, OR ARLINGTON**—For both market use and pickling this variety is now more largely grown than any other, and is very much superior to the old White spine. Our stock is grown from the true Boston strain. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.



IMPROVED LONG GREEN CUCUMBER.

**IMPROVED LONG GREEN**—Long and crisp; a popular and reliable variety for pickles. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.

**LONG GREEN TURKEY**—Fruit long and slim. A most excellent variety. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

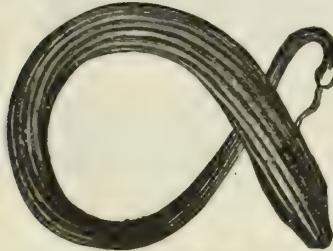
**JERSEY PICKLING**—Very popular in New Jersey. Intermediate between the Long and Short Green, forming a long, slender, cylindrical pickle; very crisp and tender. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**English Frame or Forcing Varieties.**

Lord Kenyon's Favorite, pkt., 25 | Duke of Edinburgh, pkt., 25 | Cuthbert's Black Spine, pkt., 25 | Telegraph, pkt., 25

**Serpent, or Snake Cucumber.**

A remarkable and very interesting curiosity. The cucumbers grow curled up like a snake with the head protruding, and sometimes are several feet in length. The illustration represents their shape; the quality is fair. Packet, 10c.



SNAKE CUCUMBER.

**CANNOT SPEAK TOO HIGHLY.**

Mr. JOSEPH E. SHERWOOD, Conn., March 30, 1892, writes: "I cannot speak too highly of Livingston's Evergreen Cucumber."

**BEST WE HAVE EVER GROWN.**

Mr. C. H. HUNTOON, Franklin Falls, N. H., writes: "I can truthfully say that the Livingston Evergreen Cucumber is the best cucumber we have ever grown, both for market and home use."



**WEST INDIA CHERKIN (TRUE)**—Also known as JERUSALEM PICKLE. A very small, oval, prickly variety, quite distinct from all others. It is grown exclusively for pickling; is the smallest of all the varieties of Cucumber, and should always be picked when young and tender. The seed is slow to germinate, requiring from two to three weeks. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

**GHERKINS.**

Prepare the ground the same as for onions, and plant the bulbs in early spring, in drills twelve inches apart, four inches in the rows, and cover two inches deep. Estimated by many for flavoring soups and stews.

BULBS, (postpaid), oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 30c.

By express, (not paid), lb., 20c.; 3 lbs. 50c.; 10 lbs. \$1.40.

**GARLIC.**

Prepare the ground the same as for onions, and plant the bulbs in early spring, in drills twelve inches apart, four inches in the rows, and cover two inches deep. Estimated by many for flavoring soups and stews.

BULBS, (postpaid), oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 30c.

**ENDIVE.**

One ounce of seed sows 100 feet of drill.

Its leaves make a splendid salad when properly blanched, and one that is very useful as it comes in after lettuce is gone. It may be grown at any season, but is usually grown for use late in the fall. For an early crop sow in April, in drills fifteen inches apart, and later on thin out to twelve inches in the rows. It can also be sown in beds and transplanted to the above distance after attaining sufficient size. The main sowings are made in June and July. Ordinary good soil and cultivation is all it requires. When nearly full-grown it is blanched in the following manner: gather up the leaves and tie them by their tips in a conical form, thereby excluding the light and air from their inner leaves, which then blanch to a beautiful yellowish white color. This process takes two to five weeks, according to the temperature, bleaching fastest in warm weather. Another method is to lay clean boards right over the plants which excludes the air and light. Tie up at different times as it only keeps a short time after blanching. For winter use take up with earth and store in frames or dry cellar.

**EVER WHITE CURLED ENDIVE**—By far the most beautiful variety. Plant moderately dense; leaves coarser than those of the Green Curled; but the midrib is yellow and the leaves frequently almost white, so that the plants are very attractive, and always brings the highest price on the market. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.75.

**Green Curled**—The variety most cultivated. Leaves dark green, broad and curly, tender and crisp in quality; somewhat earlier and more hardy than other varieties. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

**Moss Curled**—A beautifully curled variety somewhat resembling moss; dark green in color, quality fine. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**BROAD LEAVED BATAVIAN**—Has broad, thick, slightly wrinkled leaves forming a large head which is preferred for stews and soups, but if the outer leaves are gathered and tied at the top, the whole plant will blanch nicely, and make an excellent salad for the table. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.75.

**PROMPTNESS.**

Galesville, Wis., (April 4, 1892)—"I received my seeds last night, and was more than pleased with them; was very much surprised to get them so promptly. I will send for now and this fall I want some choice house plants."—MRS. P. S.

**TRUE BLUE.**

Parisville, Texas, (April 6, 1892)—"Seeds arrived last night in good order. Many thanks for promptness. Your seeds are very fine and well named TRUE BLUE."—W. W. G.

# EGG PLANT.

**HOW TO CROW EGGS**—The Egg Plant should be more generally grown, for when well grown and properly cooked it is a most delicious vegetable. The seeds germinate slowly and should be started in flats or boxes in a strong, uniform heat, and kept constantly growing because the young plants seldom recover if checked in their growth. Sow the seed in hot-beds or warm greenhouse in March or early April; if no hot-bed is at hand they may be grown in any light room where the temperature will average 75 degrees. When the plants are two inches high or have formed two rough leaves transplant them in beds three or four inches apart, or, what is better, prick off into two-inch pots, and later shift to four-inch size and plunge them. Keep the bed closed and very warm, shading from the direct rays of the sun, and giving abundance of water until the ground is warm and all danger from frost and cold nights is past; then harden the plants by gradual exposure to the sun and air, and decrease the supply of water; transplant to the open ground late in May or June into warm, rich soil, from two to three feet apart each way, according to the richness of the soil. When about a foot high draw the earth up to their stems. They thrive in any good garden soil, but repay liberal treatment. Care should be used in cutting the fruit so as not to disturb the roots of the plants. If needed, shade the young plants and keep the potato bug picked off, it is very fond of them, and often destroys them.

**HOW TO COOK EGGS**—**Fritters**—Cut into slices of one-fourth to one-half inch thickness, pare off the rind, put into a dish with a layer of salt between the pieces, beginning with a layer of salt in the bottom of the dish, letting them stand three or four hours; or the slices may soak in salt water for eight or ten hours. Then dry each slice with a cloth or towel. Fry in a batter of eggs and flour seasoned to taste or dip in beaten eggs and roll in bread crumbs and fry slowly in hot butter until a rich brown; serve hot.

**Fried**—Cut in slices crosswise not over half-inch thick, parboil in salt water about fifteen minutes, then fry in hot butter and lard.

**EARLY DWARF PURPLE**—A favorite for eating on account of its excellent quality; rather small for a general MARKET crop, but comes in early and sells well before the larger kinds are ready; It is just the right size for FAMILY use. Dwarf; very early; small-sized ovoid fruit, four or five inches long, with six or eight very dark purple fruits to the plant, and the easiest grown of any. May be sown as late as May 1 and good results will follow; it overcomes quite readily any checks it may receive during growth. Pkt., 10c.; oz., 35c.;  $\frac{1}{4}$  lb., \$1.00.

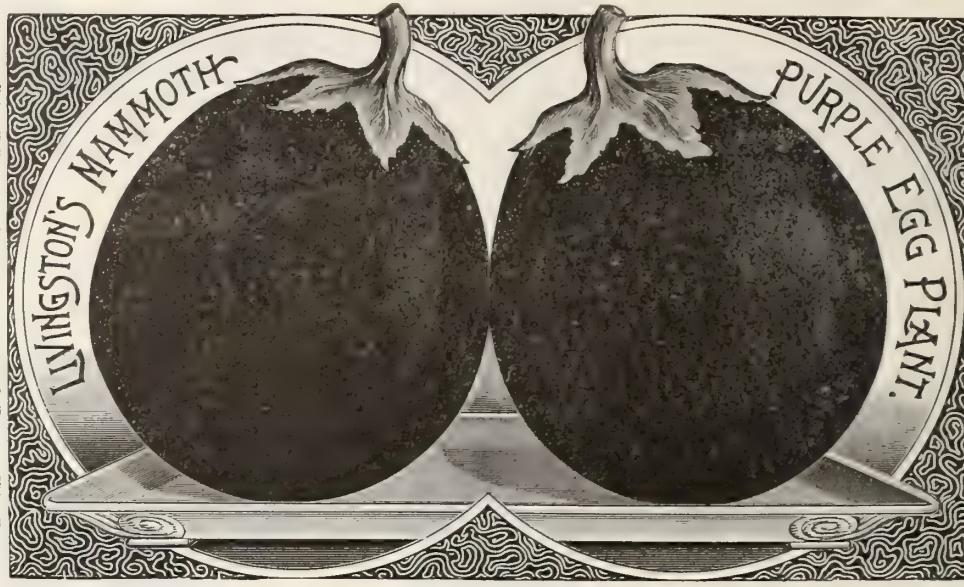


EARLY LONG PURPLE.

**EARLY LONG PURPLE**—Hardier and earlier than the New York Purple, succeeding further north. Fruit from six to nine inches long. Dark purple, good quality and one of the best varieties. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**Black Pekin**—Entirely distinct from all other varieties, both in habit and fruit. The fruit is very dark purple, almost black, nearly round, large size six to eight inches in diameter, smooth and glossy, flesh white and very solid, fine grained and delicate flavor; matures early, prolific, very handsome, and a popular variety for market. It should be started early. Pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**NEW YORK IMPROVED LARGE PURPLE**—The leading variety known by marketmen everywhere; fruit large; smooth; deep purple; flesh white, of good quality. Pkt., 10c.; oz., 40c.;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.75.



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**NEW YORK IMPROVED LARGE PURPLE**—The leading variety known by marketmen everywhere; fruit large; smooth; deep purple; flesh white, of good quality. Pkt., 10c.; oz., 40c.;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.75.

**LIVINGSTON'S MAMMOTH PURPLE**—This splendid variety was obtained by very careful selection and extra cultivation, beginning with a true strain of New York Improved Large Purple. The process of improvement was carried on for years until we now have the finest strain of Mammoth Egg Plant that we have any knowledge of. While immense size was one of the main objects kept in view we did not lose sight of other valuable points essential in a first-class market variety. It is quite early for such a large sort and is a sure cropper. The plants are large, vigorous and productive. Fruit very uniform in color and shape; very large, usually seven to nine inches in diameter, but sometimes specimens are grown that measure ten inches. Skin a handsome dark purple, smooth and glossy. Flesh white of superb quality. We pronounce it THE BEST Egg Plant IN CULTIVATION—NO EXCEPTION. It is very important that growers have the best seed and variety obtainable, for if poorly grown, irregular in shape, or green in color, they are quite unsalable, and your time and money is wasted. Pkt., 10c.; oz., 50c.;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.25.

## FROM A LARGE JERSEY GROWER OF EGG PLANT.

"Your MAMMOTH PURPLE EGG PLANT is the finest we ever saw and is rightly named. Some of the specimens measured, around the stem and blossom end, twenty-eight inches in circumference, and around the other way twenty-four inches."—NEW JERSEY.

## KALE.

Borecole, Kale, or German Greens, are general terms applied to those classes of cabbage which do not form heads, but furnish an abundance of pretty curled leaves that are very ornamental and highly prized as food. Some of the varieties are the most tender and delicate of the cabbage family, and would be much more extensively grown if its excellent qualities were generally known. Can be grown in almost any soil, but the richer it is the better the product. Sow from the middle of April to the beginning of May like cabbage; transplanted and cultivated same as cabbage. They are more hardy than cabbage, and will endure considerable frost without injury.



DWARF GERMAN CURLED KALE.

**DWARF GREEN CURLED SCOTCH**—Very dwarf and spreading. The leaves are beautifully curled and of a bright green. Hardy and will remain over winter in any place where the temperature does not fall below zero. A decided improvement upon the old tail Scotch. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**HALF DWARF MOSS CURLED**—A particularly fine variety possessing all the merits of both the tall and dwarf kinds; of compact, bushy growth, the foliage is light green and toward the center yellowish green. The edges of the leaves are so beautifully crimped that it resembles fine curled Parsley, and can be used for garnishing. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.25.

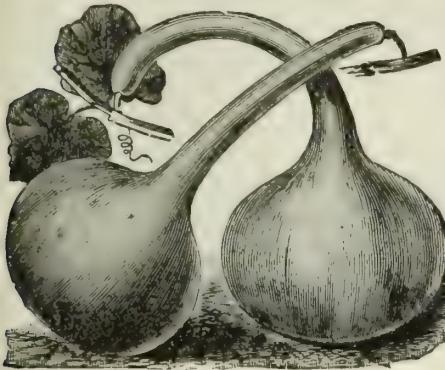
**Siberian Kale, German Greens or "Sprouts"**—Extensively grown as winter greens; sow in September in rows one foot apart, and treat in every way as Spinach; it is very hardy and is ready for use in early spring. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 80c.

**GERMAN DWARF PURPLE**—A dwarf, compact plant composed of a mass of large, finely frilled leaves of a deep purple color. Tender and of excellent quality. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

# GOURDS.

The Gourd is a tender annual and should not be planted till all danger from frost is over, and not less than six feet apart each way, in good rich loam. The following varieties will be found useful for household purposes, besides being very ornamental and serviceable as climbers.

For Ornamental Gourds see Flower Seed List.



DIPPER GOURD.

**DIPPER GOURD**—Can be used for dippers, the handles being from 9 to 12 inches long, and they hold from a pint to two quarts. When grown on the ground the handles will be curved, as in the engraving; while if grown on a trellis or a tree their weight will cause them to grow straight. Very convenient for hot liquids, as the handle does not heat through readily. They are easily prepared and last for years. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.

**NEST EGG GOURD (JAPANESE NEST EGG)**—These resemble a hen's egg in color, shape and size. They do not crack, are uninjured by cold or wet, and make the best nest eggs. As the plant is a rapid growing climber, it is very useful in covering screens, etc., being quite ornamental. WE HAVE A VERY PURE STOCK OF THIS VARIETY TO OFFER THIS SEASON, and can recommend it. Pkt., 5c.; oz., 30c.;  $\frac{1}{4}$  lb., 75c.

**SUCAR TROUGH, OR SAP BUCKET**—SELECTED STOCK—Grows to a very large size, holds from 4 to 10 gallons each, having hard, thick shells, which are very strong, but light and durable, lasting for many years. They are used for a great variety of purposes, such as buckets, baskets, soap and salt dishes, nest boxes, etc., and have been used for packing lard. They are as easily grown as pumpkins. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.

**HERCULES CLUB GOURD**—Grows from 4 to 8 feet long. Pkt., 5c.

**DISHCLOTH, OR LUCCA GOURD**—A natural dishcloth and a most admirable one, is furnished by the peculiar lining of this fruit, which is sponge-like, porous, very tough, elastic and durable. Many ladies prefer this dishcloth to any other. The fruit grows about two feet in length, and the vine is very ornamental, producing clusters of large yellow blossoms, in pleasing contrast with the silvery-shaded, dark green foliage. In the North this variety should be started very early in hot-beds or otherwise. Pkt., 5c.; oz., 40c.



SUGAR TROUGH GOURD.

20c. One packet each of the above Gourds for only 20 cents. postpaid.

## HORSE RADISH.

The best Horse Radish is produced from small pieces of roots, four or five inches in length. These small roots will produce good Radish fit for use in one season's growth. Plant the set small end down, where the slanting cut is, and so that the top will be two inches under the soil. The soil should be very rich and well cultivated. It is hardy and may be left in the ground until spring before digging. A part of the crop may be pitted late in the fall if desired. A dozen roots will give all that will be needed for family use for a lifetime; as it constantly increases. It is best to plant it in some out of the way corner of the garden. A very profitable crop for market gardeners to grow. By mail (postpaid) doz., 20c.; 50 for 60c.; 100, \$1. By express (not paid) 100 for 75c.; 300, \$2.; 500, \$3.; 1,000, \$5. Prices for larger quantities furnished on application.



CLUB GOURD.

# HERBS.

Herbs in general delight in a rich moist soil. Sow the seeds early in the spring in shallow drills, one foot apart; when up a few inches thin out to proper distances or transplant. Care should be taken to harvest them properly. Do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack close in bottles or dry boxes to exclude the air entirely.

Varieties with an \* are perennials.

	pkt. oz.	pkt. oz.	
Anise	5 10	*Lavender	5 25
Balm	5 25	*Penitoxia	10
Bene	5 15	Pot Marigold	5
Bohnen Kraut	5 15	*Rosemary	5 50
Borage	5 15	*Rue	5 30
*Caraway	5 10	Saffron	5 15
Catnip or Catmint	5 40	Sage	5 15
Coriander	5 10	Summer Savory	5 15
Dill	5 10	Sweet Basil	5 15
*Fennel	5 15	Sweet Marjoram	5 25
*Henbane	5 20	*Tarragon	5 15
*Hop	10	*Thyme	5 30
*Horehound	5 35	*Winter Savory	5 20
Hysop	5	*Wormwood	5 35

## KOHL RABI—Turnip-Rooted Cabbage.

When young and tender they are fine for table use; when matured they keep well and are excellent for feeding stock. For early use sow in hot-bed, transplant and cultivate like early cabbage. For winter use sow the middle of June or the first of July in rows 18 inches apart, transplanting or thinning out to 8 inches in the row.



**EARLIEST WHITE VIENNA**—Excellent for forcing and of fine quality. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**EARLY PURPLE VIENNA**—An excellent sort, largely grown for table use in Germany and Austria. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

## LEEK.

Leeks are especially desirable for soups, and considered by many to have a better flavor than the onion; can be cultivated in two ways, either by sowing early in spring in a seed-bed and transplanting, or by sowing outside where they are to grow; if sown in a seed-bed, when about six inches high, transplant into deep, rich soil, five inches apart; use a dibble, and plant deeply, close to their leaves, that the neck may become blanched; or they may be planted in trenches six inches deep and the trenches filled in gradually as the plants grow, a good watering at the time of transplanting is very beneficial. If sown outside, sow seed early in spring, in rows eighteen inches apart; when four inches high, thin to four inches apart. Transplanted plants always produce earlier and larger



BROAD LONDON FLAG LEEK.

**Broad Scotch, or London Flag**—An old standard hardy kind with large, strong plant, broad leaves. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Large Musselburg (CARENTON, or SCOTCH CHAMPION)**—A favorite market sort of enormous size, leaves large and broad; flavor very mild and pleasant. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., 1.50.

**Rouen, Very Large Winter**—A large and excellent variety; good for forcing. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.75.

## MUSTARD.

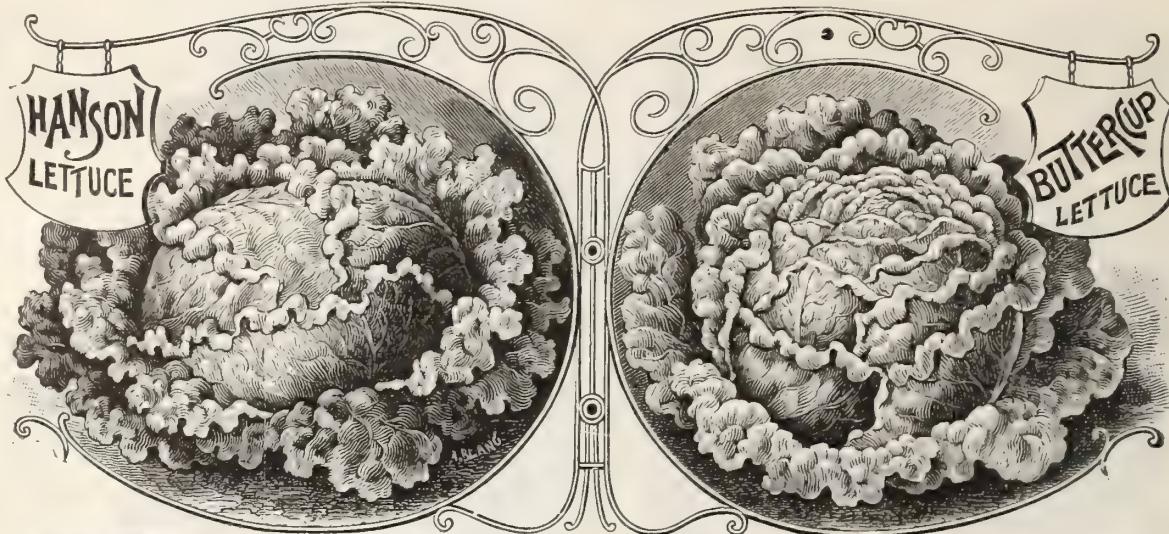
Mustard is not only used as a condiment, but the green leaves are used as a salad or cut and boiled like Spinach. Cultivate the same as Cress.

**Southern Giant Curled**—This mustard is very highly esteemed in the South, where the seed is sown in the fall, and the plants used very early in the spring as a salad. The seed is brown and produces plants which grow about two feet high and form enormous bunches. Pkt., 5c.; 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

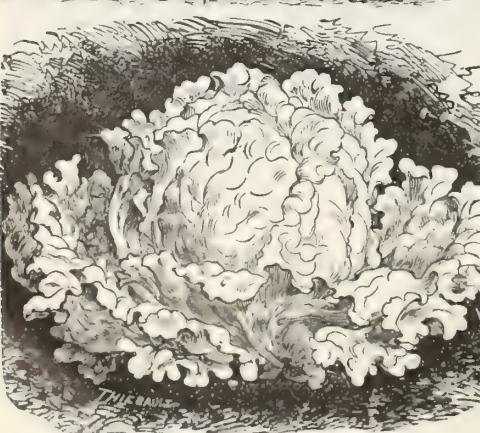
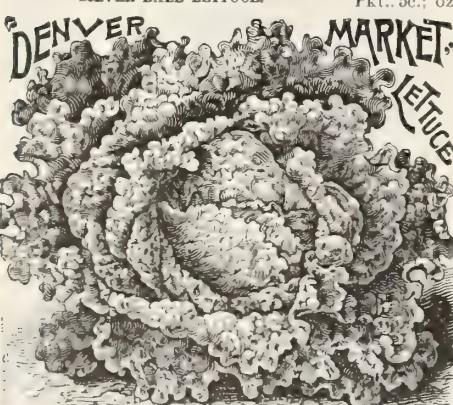
**White English**—The leaves are light green, mild and tender when young; seed, light yellow. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

**Brown or Black**—More pungent in flavor than the White. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb.; 15c.; lb., 40c.

## LETUCE



SILVER BALL LETTUCE.



BLONDE BEAUTY LETTUCE.

THE most used of all salads, is of easy culture, being almost free from all disease and insects. It requires rich, moist soil, and clean cultivation. This will give the quick growth on which depends its appearance, tenderness and flavor. For early spring use, sow in a seed-bed in September or October, and protect through the winter with cold frames, or in the South with leaves or litter or sow in a hot-bed in early spring; as soon as the ground can be well worked transplant in good rich ground, to rows 18 inches apart, and 8 to 10 inches in the rows. For a later supply plant every two weeks from the middle of April until July, choosing varieties according to their heat-resistance. If sown outside to be cut young, sow thickly in drills or broadcast; but if strong, fine heads are desired, sow in drills  $\frac{1}{4}$  inch deep, 18 inches apart, and thin, rather than transplant, to 12 inches apart in the rows. **One ounce of seed for 2,500 plants.**

**IMPROVED HANSON**—None more reliable for out-door cultivation. In ground well manured and cultivated, the heads grow to a remarkable size, resembling that of a flat cabbage and so slow to run to seed that it often fails to form a seed stalk. The outer leaves are bright green, the inner leaves white and deliciously sweet, tender and crisp, free from any bitter unpleasant taste. The stock we offer is the same as that sold by us for many years, and from the fact that we never get any complaint from it we judge it gives No. 1 satisfaction, and is as good as any of the "crack" strains offered at fancy prices. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**BUTTERCUP**—A new German variety recently introduced. The plant is very distinct and attractive, the leaves are of a beautiful yellow color, and very sweet and tender. The plants are vigorous, but do not run to seed until very late, remaining in condition for use the longest of any variety. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**SILVER BALL**—This is one of the best *all the year round* Lettuces we know of. It is an excellent variety, as well for early spring and summer use as winter forcing. The heads are silver white, very firm and compact, with beautifully curled leaves. It is of fine quality. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

**DENVER MARKET**—An early variety of Head Lettuce, either for forcing or open ground. It forms large solid heads of a good light green color. The leaves are beautifully marked and blistered (like the Savoy Cabbages) and very crisp and tender, and of excellent flavor. By these blistered leaves it distinguishes itself from other kinds of Lettuce. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

**TENNIS BALL BLACK-SEEDED**—A favorite hard head forcing variety. Has few outer leaves, can be planted closely under glass, six to seven inches. Largely used in hot-beds, cold frames and greenhouses. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**WHITE SEEDED TENNIS BALL**—A fine early sort, much like Black Seeded. Pkt. 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**BOSTON MARKET**—An improved Tennis Ball, attaining a larger size. Grows very compact, is white and crisp, and one of the best forcing head varieties. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**BLACK-SEEDED BUTTER**—Similar to Tennis Ball, but larger. Extensively used as an out-door variety; excellent in flavor; comes early. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

**YELLOW SEEDED BUTTER**—This is a very distinct sort, making a large dense yellow head, or a very handsome appearance, very crisp and tender, and excellent in flavor; heat-resisting. Pkt. 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

**COLDEN YELLOW STONEHEAD**—A fine variety; very solid heads of great beauty. As early as White Tennis, has larger heads, and is unsurpassed for table use. We recommend it most highly for forcing or earliest spring crop. Its handsome appearance command a ready sale. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

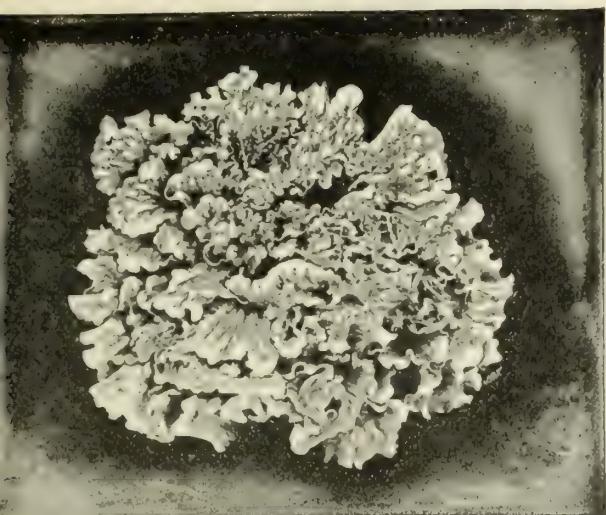
**EARLY CURLLED SILECIAN**—One of the oldest and earliest, for out-door planting. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**BOSTON CURLLED**—A very beautiful and distinct variety. Deep, rich green in color, with many broad leaves so deeply frilled the plant looks like a bunch of moss; good quality. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.25.

**MAMMOTH MARBLEHEAD**—The largest header of any measuring eight inches across the solid head, or as large as a good cabbage. The heads are closely wrapped together; leaves lightish green; second early; tender and crisp, and free from bitterness. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.75.

**BLONDE BEAUTY (BLOCKHEAD-SUNSET)**—A New Summer Lettuce of a bright golden tinge and attractive form. It resists the heat to a remarkable degree, and is also an excellent keeper after being cut; is tender, crisp, sweet and juicy when many sorts have become tough and bitter. It is a distinct and a superior sort for shipping and the home garden. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.75.

See Nove'ty List for Description of **WHITE STAR** and **CELERY LETTUCE**.



## GRAND RAPIDS FORCING.

This variety developed at Grand Rapids, Mich., and is especially adapted for green-house culture in winter. It is the result of fifteen years' selection from the Black Seeded Simpson, which is generally recognized as the standard for forcing for the home market. It is superior to and more beautiful in appearance than the Simpson. It is of rapid, upright growth, and may be planted close; not liable to rot, standing several days after being ready to cut without injury; retains its freshness a long time after being cut, hence much sought after by dealers and especially shippers; the quality is very desirable, and while it is especially adapted to forcing, it is a good lettuce to sow early for family use. By the use of the Grand Rapids, gardeners have distanced all competitors, finding ready sale for all their surplus at profitable prices in New York and other large markets. Of course they have jealously guarded the seed so that until recently it has been impossible to obtain pure, true and reliable seed. **Our present stock was grown, at double the cost of ordinary seed, from carefully selected plants, by one of the leading growers of Grand Rapids, and we feel fortunate in having such superior stock to offer our customers.** Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.



CURLED SIMPSON LETTUCE.

mass of curly leaves of a yellowish green. It matures earlier than the firm head sorts, hence is very generally grown in cold frames, also for an early outside crop. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

## MUSHROOMS.

One of the most profitable crops for the outlay that can be grown; the market is sure, because the supply never equals the demand. Mushrooms can be grown in any dark room or cellar, where the temperature can be kept at from 50 to 70 degrees. From some old pasture procure good rich soil and store it away. To every bushel of this soil add two bushels of fresh horse manure. Of this well-mixed compound prepare a bed, say four feet in width. Put down a thin layer and pound it down hard, and go on until you have a bed 12 to 18 inches thick. It soon becomes pretty hot, but let the heat recede until it is only 85 or 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut in each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about twelve days; then cover the bed with some two inches of fresh loam, and over this place four or five inches of hay or straw, and the work is done. If the temperature is right, in six or eight weeks you may expect Mushrooms. The beds will continue bearing from twenty to thirty days. After the first crop is gathered, spread over the bed an inch of fresh soil, moisten with warm water, and cover with hay as before. The main conditions in Mushroom growing are proper and uni-



## DEFIANCE SUMMER

(PERPIGNAN)—Unequalled for long-standing. One of the finest large growing Cabbage Lettuces. It forms very large, solid heads, so firm that they have to be cut open to allow the flower heads to come through. The leaves are light green. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.75.

**PERPETUAL** (IMPROVED SIMPSON)—The leaves are of a yellowish light green color, and are slightly oily to the touch. Ready for early use. Fine in quality for weeks. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**TOMAHANNOCK**—Forms a beautiful plant, 10 to 20 inches high by 9 to 12 inches across. The edges of the outer leaves are of a glossy reddish bronze; handsomely wrinkled; leaves white, very crisp and tender. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

**LIVINGSTON'S GOLDEN HEAD**—A superb cabbage variety. Heads well; crisp and tender. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**NEW SALAMANDER**—For summer use. Forming good-sized, compact heads; color light green outside and white on inside; withstands heat. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**EARLY WHITE CABBAGE**—Very tender; large, solid greenish white heads; stands heat extremely well. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**PHILADELPHIA BUTTER**, or **EARLY WHITE HEAD**—A thick-leaved, smooth

lettuce, round, dark green leaves formed into a very solid, round head, stands a long time without running to seed. The inner leaves blanch a rich yellow; quality first-class. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**PHILADELPHIA DUTCH BUTTER SPECKLED**—Producing large heads of excellent quality; one of the best for the market gardener; stands heat well and slow to run to seed. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.35.

**CHARTIER, OR BROWN CURLED**—One of the very best, both for forcing and out-door culture. Leaves are nicely curled, forming immense stalks and heads. When grown under glass it is of a whitish color, but in the open air it turns very brown, remaining, however, very tender and crisp a long time. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

We can also supply the following well-known Lettuces Price of each, post-paid—Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Tennis Ball, Black Seed.**

**All the Year Round.**

**Tennis Ball, White Seed.**

**Ferry's Prize Head.**

**Paris Cos.**

**Deacon.**

**New York.**

**Eureka.**

**India Head.**

form temperature and very rich soil. One pound of spawn is sufficient for a bed two by six feet. We are always willing to answer questions from customers pertaining to the culture of vegetables, etc., to the extent of our knowledge, and will give more explicit directions about the culture of Mushrooms on application, but we would advise the Mushroom grower, and especially the new beginner, to get a book on the subject, written in full by an experienced grower, such as

“ROBINSON'S MUSHROOM CULTURE,” bound in cloth, 50c.

“FALCONER'S MUSHROOMS AND HOW TO GROW THEM,” \$1.50.

We can supply these books (postpaid) at the above prices

Our spawn we import direct from the best maker in England.

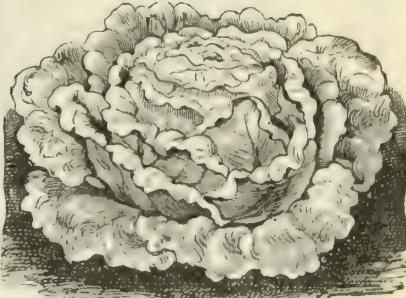
**English Spawn, One Pound Bricks** (postpaid). 35c. (not paid). Lb., 20c.; 5 lbs., 75c.; 10 lbs., \$1.25.

**French Spawn, loose**—Lb., 35c. By mail, lb., 50c.

## MARTYNIA.

A hardy annual plant, the seed pods of which, if picked when green and tender make excellent pickles. Plant in May in the open ground, about three feet each way, leaving but one plant in the hill.

**Proboscidea**—Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.

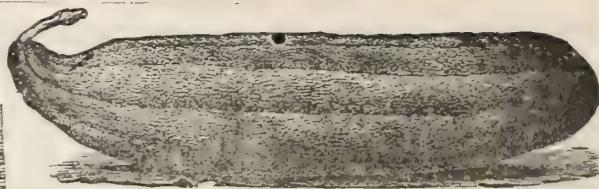


DEFIANCE SUMMER LETTUCE.

## MUSKMELONS.



PERFECTION MUSKMELON.



## MELONS. MUSK.

A rich, sandy soil is most desirable for melons; the seed should be planted, when the ground has become warm, in hills six feet apart each way. Old, well-rotted manure should be thoroughly mixed with the soil in each hill; put six to ten seeds in the hill; finally, when danger from insects is past leave three or four of the strongest plants only. If the plants grow very rank the tips of the leading shoots should be pinched off when about three feet long; also, if the fruit is excessive they may be thinned out, which will cause the melons to ripen earlier and will increase the size of the fruit. Melons may be forced like cucumbers, and the practice is growing in favor annually among melon men, as the method becomes better understood and on account of the large profits gained by having home-grown melons in market some days ahead of the outside planting. Cultivate thoroughly and often to keep down the weeds and bugs.

One ounce of seed for 60 hills; 2 to 3 pounds for an acre.

**LARGE GREEN NUTMEC**—Round; large size: green flesh. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**BALTIMORE NUTMEC**—“Cantaloupe”—Has a beautiful heavily netted green skin: of good size; oval, drawn slightly to a point at stem and slightly ribbed; flesh, thick, green, very finely flavored, smooth and sweet; very productive, and NEVER BURSTS OPEN AT BLOSSOM END. Our stock is the “Josh” Stewart large strain, which out-sells all others in the Baltimore markets. It is so solid that it can be shipped in large sized barrels without injury. Whole boat loads of it are loaded at Baltimore for Philadelphia and New York, which speaks high praise for it, as these are very critical markets. *Select Stock*—Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.25. *Ordinary Stock*—Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 80c.

**PERFECTION**—(PRINCESS)—Is quite large, (5 to 8 lbs.), dark green skin, heavily netted; has a remarkably small seed cavity; flesh very thick, of a rich orange color, very sweet, watery, and of a most delicious flavor—in fact, about perfection. Sells well in any market, because it invariably pleases customers. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**THE BANQUET**—Obtained by years of careful selection and improvement at the hands of the largest and most experienced grower of melons in the world. Medium in size, very beautifully netted; quality very good; flesh uniformly deep; color, dark, rich salmon. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**NEW ORLEANS MARKET**—A large species of the nutmeg class, extensively grown for and preferred to all other varieties in the New Orleans market. It is large in size, very roughly netted and of luscious flavor; green fleshed. Can not be excelled for growing South. Our seed is grown from stock secured from the best New Orleans source. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**GIANT CHICAGO**—This fine melon has been grown for many years for the Chicago market by Mr. Carter, a market gardener of long experience, and especially successful as a melon grower. It is one of the very sweetest, large and very productive; decidedly ribbed, extra well netted, with very thick green flesh; in shape about like New Orleans Market, (see cut.) Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**MONTREAL MARKET**—THE LARGEST ROUND MELON IN THE WORLD, weighing 20 lbs. and upward, (they have been grown to weigh 39 lbs.) To all who wish to grow the handsomest melons possible for exhibition, or extra large ones for market, we recommend this one. The shape is almost round; deeply ribbed; skin, green and densely netted; flesh remarkably thick, light green, and of fine flavor. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**BAY VIEW**—The leading oblong, green-fleshed sort; hardy; can be picked green, and ripens well while in transit; they weigh from 10 to 20 lbs; prolific and of fine flavor. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.

**BIRD'S CANTALOUE**—An early oblong melon, similar in shape to Bay View, but of finer flavor; good keeper, thick flesh, light green in color, and of good quality. With good culture it attains immense size. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**BANANA**—(FROM TWO to THREE FEET LONG)—Yellow-fleshed, entirely free from netting; skin delicate straw color; flesh quite thick and blends from bright green to a rich salmon color, making a fine and striking contrast; early; prolific; quality equal to the common muskmelon, and has a delicious fragrance; reminds one of an over-grown banana. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.25.

**EMERALD CEM**—A GREAT FAVORITE—Medium size, nearly round; flesh a delicate light salmon color, very thick, fine grained and of most excellent flavor. The rind is thin, dark green, ribbed but not netted. While not quite as good a shipper as the Osage, it is undoubtedly one of the best for home use. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**MILLER CREAM**—Ranks high as a market melon, either for home or shipping. The flesh is of rich salmon color, very sweet and melting, and is so thick that the melon is almost solid, the seed cavity being remarkably small. A strong grower and very productive; medium in size, and resembles the Osage very much, but is not quite so well netted or as large as our selection of Osage. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.

**CHAMPION MARKET**—Almost a perfect globe in shape, and densely netted, making one of the handsomest melons known. VERY UNIFORM IN SIZE AND SHAPE, (4 to 6 lbs.) The flesh is thick, green in color, and of rich, sweet flavor; very productive, frequently bearing seven perfect melons on a single vine, which mature quite early, and ripen up finely. An excellent shipper. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**HACKENSACK**—(TURK'S CAP)—Without doubt the BEST GENERAL CROP MELON. It is round, well netted, large size; flesh green and thick; delicious flavor; beautiful in appearance. Very popular the country over. Our stock of this can not be excelled. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 80c.

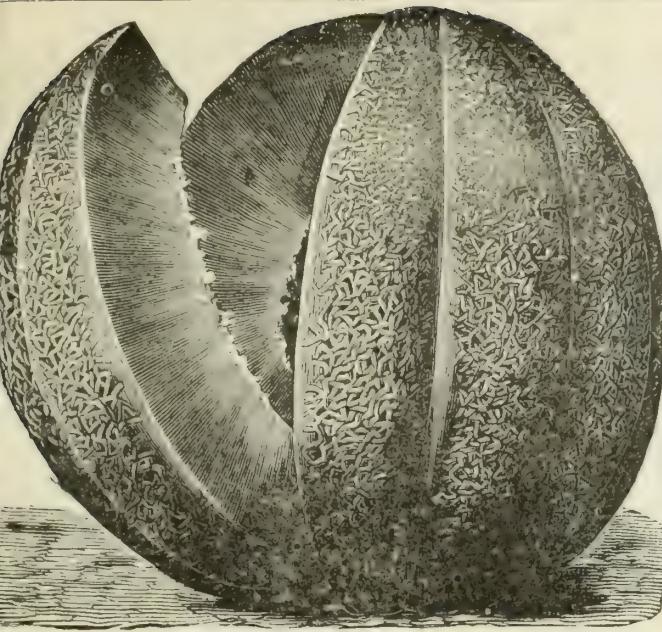
**EXTRA EARLY GREEN CITRON**—(FIRST IN MARKET)—The largest of the very early nutmeg melons. Form nearly round; fairly netted; flesh green; quality first-rate. Its merit consists in its extra early habit. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.

**EARLY GREEN FLESH NUTMEC**—THE OLDEST NUTMEG OF ALL, and one of the very best; highly scented, thick and sweet, and finely flavored; of medium size and quite early. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.

**EARLY NETTED CEM**—(EXTENSIVELY GROWN BY LARGE SHIPPERS, and especially suited for shipping in baskets or crates.) Shape almost a perfect globe; grow remarkably uniform, weighing from  $1\frac{1}{2}$  to 2 lbs. each. They are thick meated, the flesh is light green in color, and uniformly of fine, luscious flavor; skin green, regularly ribbed and thickly netted. Very productive and extra early in ripening—no variety being earlier; will keep for nearly 2 weeks after picking. Many prefer this melon to all others for table use. (usually served in halves) Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.



CHAMPION MARKET MUSKMELON.



OSAGE MUSKELON.

**OSAGE** The leading favorite of all the yellow-fleshed varieties with Western growers and shippers. It is large, oval, lightly ribbed and netted; skin very dark green; flesh a deep, rich salmon, sweet and highly flavored to within half an inch of the rind; it is very solid, indeed, that a melon of poor quality is found. The whole crop is very even and extra heavy owing to the thickness of the meat. NO BETTER SEED THAN WHAT WE OFFER CAN BE FOUND, NO MATTER WHAT PRICE MAY BE ASKED FOR IT. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., 85c.

**EXTRA EARLY HACKENSACK** By careful selection and improvement, carried on for some years, this strain has been so developed that it produces melons equally as large and with all the good qualities of the well-known Hackensack, but two weeks earlier; it is of the nutmeg shape, heavily netted, and has light green flesh of delicious flavor. Its shape and solidity admits of its being packed very closely in crates for shipment, and it will keep in good condition for several days after picking. The seeds do not shake loose enroute as in many other sorts. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

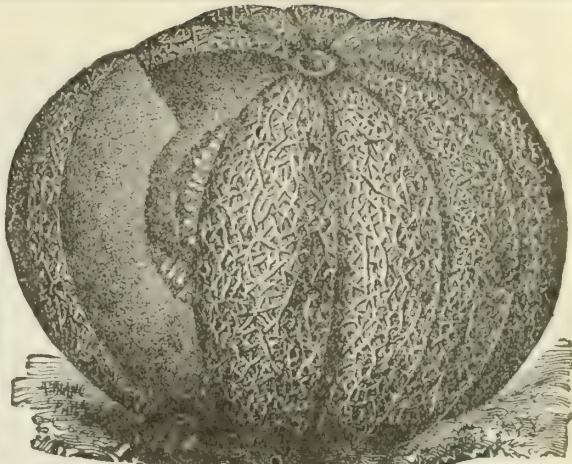
**NEW GIANT MUSKELON** A very perfect, delicious, pure and desirable melon from Mexico. Seeds are mammoth in size, showing a distinct variety. Average size as large as a water bucket. Outside it is light green, turning cream-white when ripe, with beautiful salmon colored meat; very rich and sweet, and never stringy; the flavor is pleasant, but not high nor rank. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.25.

## LIVINGSTON'S MARKET MUSKELON.

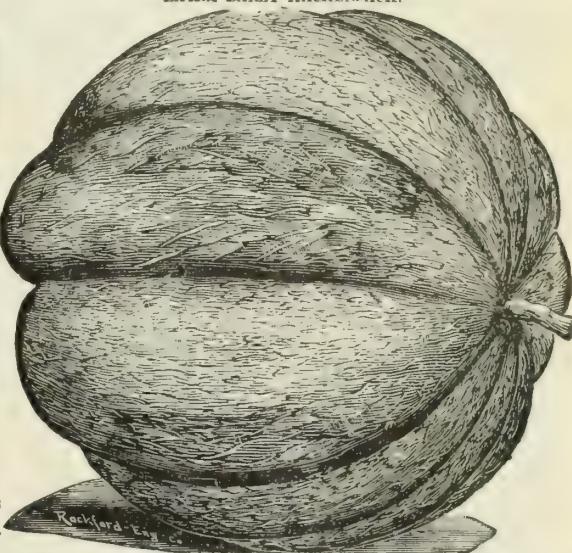
Many years were spent in perfecting this decidedly distinct and beautiful melon. A most valuable and beautiful characteristic is the close, strong netting. In VIGOROUS GROWTH it surpasses all other melons with which we are acquainted; this gives it great hardness and ability to withstand drouth, bugs, etc. Its beautiful shape and handsome general appearance are remarked upon when placed side by side on the market bench or counter with any of the popular sorts of the day. It ripens only a FEW DAYS after EARLY HACKENSACK, is more prolific, more uniform, bears longer, and the fruit is more solid; never bursts at blossom end; flavor and quality is all that can be desired. It is a green-fleshed variety, with small seed cavity, and remarkably little waste next the rind. We have no hesitation in claiming it to be the best green-fleshed variety ever offered for truckers and market gardeners. Choice Stock. Pkt., 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

We can supply the following well known varieties of Muskmelons at the uniform price of 5c. per packet, 25c. per  $\frac{1}{4}$  pound, 85c. per pound:

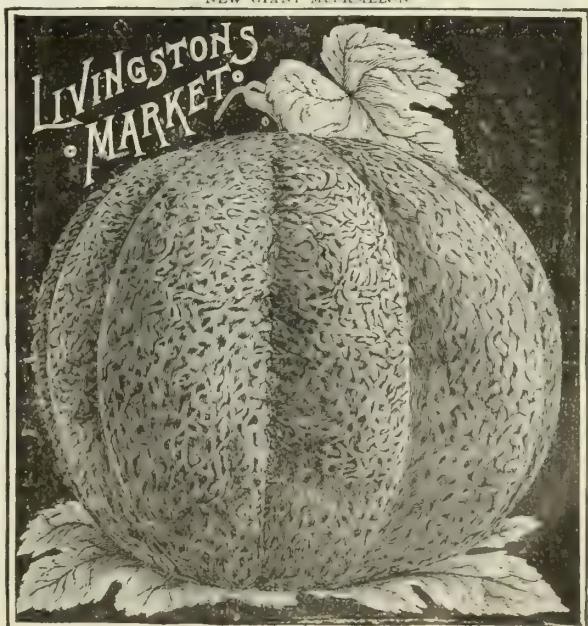
Skillman's,	Chicago Nutmeg,	Improved Christiana,
Reedland Giant,	Delmonico,	Long Yellow,
Surprise,	Cassaba,	White Japan,
		Jenny Lind



EXTRA EARLY HACKENSACK.



NEW GIANT MUSKELON



## WATERMELON.

A light sandy soil with good exposure to the sun is best for Watermelons. It should be prepared deep but receive shallow cultivation, hoe often and thoroughly, if extra large melons are desired for exhibition purposes leave but one or two melons on a vine. Plant in hills 8 to 10 feet apart each way with a shovel full of well rotted manure mixed with the soil in the hill. If commercial fertilizer is used it should contain a large percentage of ammonia and potash. Plant 8 or 10 seeds in each hill, and finally leave, when danger from insects is past, but three strong plants.

One ounce of seed for 30 hills one to two pounds to an acre.

## TRUE ICE CREAM.

**THE GREAT HOME MARKET MELON**—This is our best general crop variety for the home market, it has too thin a rind for shipping unless packed in straw. We have sold it for many years to our extensive Scioto Valley melon growers, for whom it brings the highest price, and meets with ready sale regardless of other varieties that may be on the market, because it has become a great favorite with Columbus Melon Dealers and consumers. Few, if any, surpass a **TRUE ICE CREAM** for quality and productiveness. Medium early, fruit oblong, large size, rind light mottled green, flesh bright scarlet, solid to the center, melting and delicious. Price. (postpaid), pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 2c.; lb., 75c.; 3 lbs., \$2.00.

**Proberta, Cal.**—All the good qualities spoken of in your Catalogue about the **TRUE ICE CREAM MELON** we have proved. Of the eight or ten varieties we have tried, it *surpassed them all*.—H. T. MORSE.

**PHINNEY'S EXTRA EARLY**—The first to ripen; good size, very productive, oblong in shape, flesh a deep red; a first-class early market melon. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**RUBY COLD**—A very long melon. They weigh from forty to fifty pounds; flesh is solid, pure golden yellow, variegated with streaks and layers of bright pink. Of most delicious flavor and melts in the mouth like ice cream, without a particle of core or string substance. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

**SEMINOLE**—Originated in Florida, and possesses four excellent qualities—it is **EXTRA EARLY, ENORMOUSLY PRODUCTIVE, LARGE AND OF MOST DELICIOUS FLAVOR**. It is of two distinct colors, gray and light green. Melons of both colors are exactly the same in size, shape, color of seed, flavor, etc., and pronounced by competent judges to be exactly the same melon in every respect. The gray color predominates. Melons of both colors are found on the same vine. Try it. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

**HUNGARIAN HONEY**—Grows to weigh 10 to 12 pounds; of perfect globe shape; skin dark green. Flesh deep red, stringless, and of the richest and sweetest honey flavor; extremely hardy and vigorous. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

**GREEN AND GOLD**—A new golden-orange fleshed; novel and valuable variety. It is of good size, (.50 to 20 lbs.), early, productive; rind very thin, the white being only  $\frac{1}{2}$  to  $\frac{1}{2}$  inch thick; flesh is granular in appearance; juicy, very sweet and of delicious flavor. Its rich golden color makes it desirable as an ornament for the table, its golden slices contrasting with the crimson sorts. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

**LIVINGSTON'S NEW CRACK**—A new and very distinct variety in both inside and outside appearance. Color dark green, with alternate strips of lighter green, the whole being covered with a delicate tracery of dark veins. The flesh is of a delicate salmon tint, which makes it handsome and tempting. Sweet, juicy, and melting, with a rich flavor. Wherever grown it has called forth the highest praise for its new and distinct appearance, its earliness, its hardness, and great productiveness. Large, oblong, just about the right size and shape for marketing. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**JUMBO**—The shape is round; rind green with faint lighter stripes; deep red meat; sells rapidly at highest market prices. They have been grown to weigh eighty pounds—from forty to sixty pounds is common. An extra good melon for shipping. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**DIXIE**—This new and already popular melon is from the *land of Dixie* where Watermelons attain to the highest state of perfection. It originated with an extensive melon grower and shipper by crossing the old reliable *Mountain Sweet* with the new reliable *Kolb Gem*. It is now well established and retains the rich and luscious quality of the Mountain Sweet and at the same time equals the Kolb Gem as a shipper, is earlier, more productive and longer in shape. It is of a very fine appearance, dark green and beautifully striped, extremely hardy and its eating quality is unexcelled. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.; 3 lbs., \$2.00.

**APPLE-PIE**.—When stewed and made into pies is an excellent substitute for apples. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**PRESERVING CITRON**.—Red seed. Used in making sweetmeats and preserves; flesh solid and white. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.

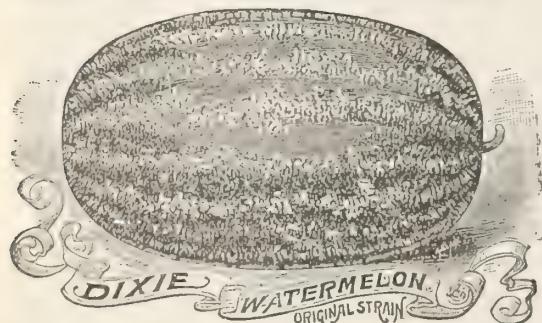
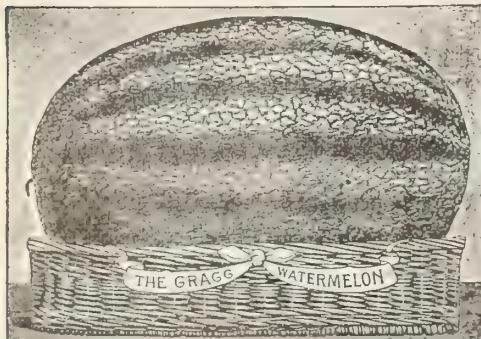
**COLORADO PRESERVING**.—Much larger than the common preserving citron weighing 25 to 40 pounds, and of better quality; flesh very solid and makes very clear, transparent preserves of fine flavor; seeds pale green. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.

**FERRY'S PEERLESS**.—One of the best for the home garden and market gardeners who deliver direct to consumers. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 70c.

**MOUNTAIN SWEET**.—One of the oldest and best for home and market gardeners use. Oblong, quite early, solid, large; rind thin, deep green; flesh deep scarlet. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 70c.

**FLORIDA  
FAVORITE.**

An oblong-shaped watermelon from Florida; ten days earlier



than *Kolb's Gem*; red flesh, of fine flavor. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**PRIDE OF GEORGIA**.—The melons are round in shape, striped light and dark green, uniformly of fair market size; the flesh is bright red and sweet. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 70c.

**THE BOSS**.—This melon has a very black green skin, long in shape, large and very heavy; flesh solid and red. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.



MOUNTAIN SWEET WATERMELON.

**KOLB'S GEM WATERMELON.**

**THE GREAT SHIPPER**—Our largest melon growers pronounce this the most successful shipping melon ever introduced. The rind, though quite thin, is very tough, standing shipment long distances without breakage. The flesh is bright red and of excellent flavor. It is one of the largest (30 to 50 lbs.), most productive, best keeping and shipping melons ever grown. Owing to their fine appearance they sell readily at highest market prices. **OUR STOCK CANNOT BE UNPASSED, HAVING BEEN SAVED FROM CAREFULLY SELECTED MELONS.** Price (postpaid), pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; 1 lb., 70c.; 3 lbs., for \$2.

**Extra Selected Seed** saved from fine specimens weighing from 0 to 50 pounds. Price (postpaid), pkt., 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; ingle lb., \$1.25; 5 lbs. for \$5.00.

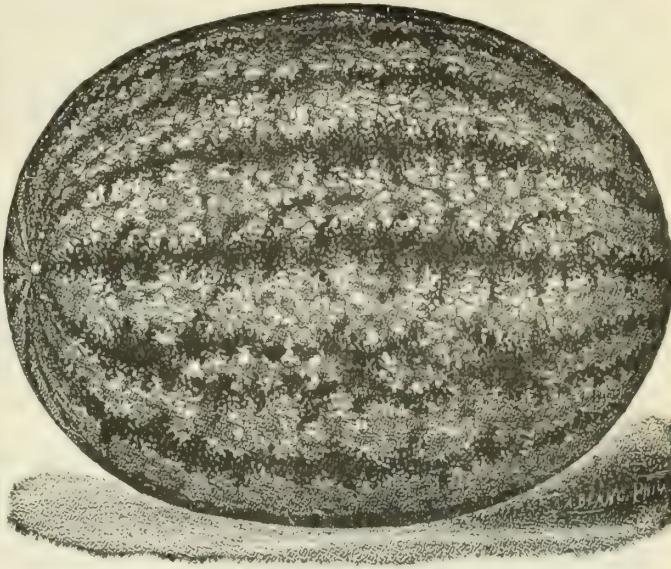
**VAUCLUSE RED FLESH.** A new French melon, very early, and of large size, with stem end slightly inclined to point. The flesh is a bright crimson, very sweet, not in the least stringy and coming within an eighth of an inch of the skin; the seeds are also red. The rind, though so thin, is very tough and the shell glossy, so that this melon is an excellent shipper. It is of a dark color, beautifully threaded with a still darker green. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; 1 lb., 85c.

**MAMMOTH IRONCLAD**—Of immense size, handsomely marked, oblong in shape, flesh bright red and very solid, heart large and flavor delicious. The rind, while very thin, is remarkably hard, and matures early and keeps well. It is a heavy yielder and one of the very best. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; 1 lb., 75c.

**DARIC INCING**—Prized as a shipper. Very solid; rind very thin; white seed; excellent. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; 1 lb., 70c.; 3 lbs., \$2.

We can supply the following well-known varieties at the uniform price of one cent per pound: Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; 1 lb., 85c.

**Stokes Extra Early, Icing, Cuban Queen,**  
**Vick's Early, Delaware, Gray Monarch,**  
**Black Spanish, Christmas, Orange.**



KOLB'S GEM WATERMELON.

**LIVINGSTON'S SUPERIOR ONION SEED.**

We take pride in the record of our FINE STRAINS of Onion Seed. Having grown onions for years, for market as well as for seed purposes, we are in position to fully appreciate the necessity there is for using great care in the selection of the bulbs for seed purposes. There is no crop which depends more upon the quality of the seed. The seed we offer, we are sure, is not surpassed anywhere, and is thoroughly tested for vitality before it is sent out, so that it is SURE TO GROW where soil and season are favorable, and is sure to produce an abundance of well shaped bulbs, free from scallions or stiff-necks. BEWARE OF POOR SEED offered at LOW PRICES. We can easily purchase onion seed that could be sold for 50 cents less per pound than our prices, but it would prove a very expensive investment to the buyer in the outcome. We aim to sell at reasonable prices and as low as any seedsman who offers seed of first-class quality.

**Write for special prices of five pounds or over, of one or more kinds wanted, naming the quantity of each.**

**We offer special inducements to those wanting a Seed Drill or Cultivator in connection with Onion Seed.**

**FULL-SIZED ONIONS THE FIRST YEAR**—The seed we offer will grow full-sized onions the first year. To do this they should be sown as soon as possible in the spring, no matter if the weather is cold, so the soil works up well. This gives them a good start ahead of the weeds and before dry hot weather sets in. Sow thinly, 4 or 5 pounds to the acre, in drills one foot apart, and about  $\frac{1}{4}$  of an inch deep, in strong land, well manured, and thin them out to stand 3 or 4 inches apart in the drills, keeping them well hoed and free from weeds; for this purpose the Red Wethersfield and either of the Yellow Danvers are usually preferred. Onions delight in a strong, rich, deep, loamy soil, and succeed well in town successive years on the same ground.

**FALL SOWING.**—Seed can be sown in August and September, in drills wide enough apart to admit of working; when the plants have grown of sufficient size to be fit for table use, thin out to 4 inches apart, to secure a crop of large onions. This plan works admirably in the South but will not prove successful where the ground freezes deeply or is subject to constant changes of temperature in spring.

For sets, sow the seeds in drills as early as possible in the spring, very thickly—40 to 60 lbs. to the acre. As soon as the tops dry off in summer, remove them to a dry, airy place; and early in the following spring replant by placing the sets in shallow drills 12 inches apart and about 1 inch apart in the drills; the onions, by this process, are obtained of a large size early in the season.

**FREE.**

To customers, on application, full and complete instructions **HOW TO CROW ONIONS**, both by the ordinary method as well as by the New Transplanting System.

**SHORT ONION SEED CROP.**

On account of the great demand for onions at high prices last spring, the acreage put out for seed was very much short of that ordinarily put out. This, with the light yield of seed from the 1892 crop, has caused quite an advance over last season's prices, more especially on **WHITE PORTUGAL, WHITE GLOBE and GLOBE DANVERS**. In comparing our prices with others BEAR IN MIND WE PAY THE POSTAGE at the prices here quoted.

**Large Red Wethersfield Onion.**

FOR GENERAL PURPOSES the country over, no variety is so largely grown, and more especially in the East where immense crops are raised for shipment. Large sized, somewhat flattened, skin deep purplish red, very productive, and the best keeper. We have grown it on various soils for over 35 years and can recommend it as a variety that will do well where any variety will, IF GOOD SEED IS USED.

Price (postpaid), Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 65c.; 1 lb., \$2.25.

**Bridgeport, O.**, (April 4, 1892)—"I raised some of the largest onions from seed I bought of you, I ever raised. Your seed is No. 1."

**Havana, Ill.**—"Having used your onion seed for the last two years with such good success that I herewith send you another order for six pounds of the **LARGE RED WETHERSFIELD**, and a list of other seeds."—WM. HOFFNER



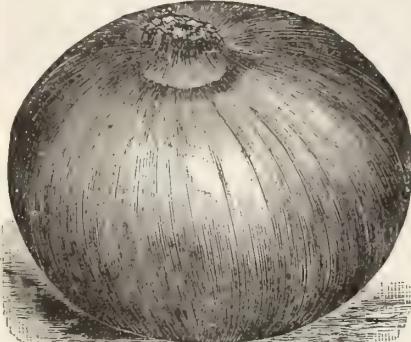
LARGE RED WETHERSFIELD ONION.

## ONIONS.

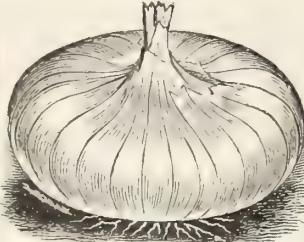
## ONIONS



## AMERICAN ONIONS.



YELLOW DANVERS, GLOBE.



GIANT WHITE ITALIAN TRIPOLI.



BARLETTA PICKLES.

**GIANT WHITE ITALIAN TRIPOLI (EL PASO, OR LARGE MEXICAN)**—Of large size and most beautiful form, with fine white skin. The first season from the seed it will grow an onion somewhat larger than our White Portugal, but to attain their full size the seed should be sown very early in hot bed and transplant to rich soil. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 70c.; lb., \$2.50.

**EARLY RED GLOBE**—This is a very handsome variety, and deserving of general cultivation. It matures very early, keeps well, grows to a good medium size, skin deep red; flesh fine grained, flavor mild and tender. Do not confound this with Large Red Globe. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.25.

**WHITE PORTUGAL OR SILVER SKIN**—Ripens early, large in size, mild in flavor, excellent for winter use; much esteemed for pickling when small, and grows a handsome, good keeping set when sown too thick to grow big onions. Pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.75.

**LARGE BERMUDA RED**—This is not the Bermuda Island Onion, but a fine selection of the Large Red made by us about thirty years ago, and offered at that time under the above name. It is perfect in shape, not so flat as Large Wethersfield; an abundant producer; in color, dark red, mild-flavored, moderately fine grained. Will grow 15 inches in circumference in one season from the seed if sown early and well cultivated; one of the very best keepers. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 65c.; lb., \$2.25.

**YELLOW DANVERS GLOBE**—Extensively grown as a main crop in many sections of the country; of beautiful golden color; bulb medium large, quite early, THICK, bottom nearly flat, top oval, with small neck; very prolific and a first-class keeper. The strain we offer of this popular variety cannot be exceeded. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**LARGE WHITE GLOBE**—By careful selection and cultivation we have developed this HANDSOMEST OF ALL white varieties until it is second to none as A GOOD KEEPER, yields abundantly, produces very handsome, large, pure white, globe-shaped bulbs, the flesh is firm, fine-grained, of mild flavor, and is in many respects superior to the ordinary silver skin onion. Highly recommended by Prof. W. J. Green of the Ohio Agricultural Experiment Station, as an excellent sort for growing by the transplanting system as well as for long-keeping qualities. Pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.75.

## "NONE EXCELS BERMUDA."

Bettie Denman, Hanover, O., writes: "No onion we ever raised excels your BERMUDA; have nice ones to-day in good condition. A GOOD KEEPER."

## "PREMIUM ONIONS."

Aloah Carpenter, Chelsea, Vermont, writes: "Many thanks for favors received. I received premiums on onions last year."

**EXTRA EARLY RED**—This is not a small onion, but a good, medium sized flat variety, very uniform in size and shape; smaller than Red Wethersfield, but about two weeks earlier; abundant producer, good keeper; very desirable for early market and good where seasons are short on account of its rapid growth, requiring short time to mature it; it also grows a handsome shaped set when planted very thick. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**SOUTHPORT LARCE YELLOW CLOBE**—Very large, fine color, and keeps well. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 85c.; lb., \$2.75.

**SOUTHPORT LARCE RED CLOBE**—Large and distinct in form, being nearly globular. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**PHILADELPHIA SILVERSKIN**—Celebrated for white sets. Pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.75.

**PHILADELPHIA STRASBURG**—Yellow set variety. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 65c.; lb., \$2.25.

**YELLOW DANVERS FLAT**—A splendid onion for the market or home use; more flat than the Globe Danvers. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 65c.; lb., \$2.25.

**YELLOW DUTCH OR STRASBURG**—A flat, yellow onion, a good keeper, later and larger than Danvers. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 65c.; lb., \$2.25.

## ITALIAN ONIONS.

The following varieties have been tested in all sections of the United States and have given good satisfaction. We recommend them as very desirable for summer and autumn markets, because they generally command ready sales at good prices, especially when grown by the transplanting method; they are also valuable for the family garden. Large quantities are grown South and shipped to northern markets, but as they are not good keepers we would advise growers North who have not tested them to rely chiefly on the American Onions for their main crop. All Italian varieties are sweet and mild flavored, more so than the American onions, and are of very rapid growth.

**EARLIEST WHITE QUEEN**—A very nice, pure white, small, flat onion, 1 to 2 inches in diameter. Sown in early spring they will ripen in July. Sow again in that month and ripe onions in the fall, that will keep all winter, will be the result, if the weather is favorable during their growth. Very mild flavored and excellent for pickling. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$1.75.

**EXTRA EARLY BARLETTA**—claimed by many to be TWO WEEKS EARLIER than Early White Queen, which heretofore has been the earliest variety. When mature the tops die down, leaving most beautiful and perfect little bulbs. The color is perfectly white, and the flavor exceedingly mild and delicate. One to one and a-half inches in diameter, and three-quarters of an inch thick. Perfectly adapted for pickling as well as for table use, and makes a pretty bunch onion, especially if grown by the transplanting method. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**BERMUDA ISLAND RFD (TENERIFF)**—A very early pale red onion, grown extensively in the Bermudas, and put on our markets early in the summer. Grown in our climate, the bulbs are smaller, but mature early and retain much of the mild, sweet flavor of the imported ones. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 70c.; lb., \$2.50.

**Bermuda Island White**—A little smaller, still milder flavored; white in color; otherwise same as the Red. Pkt. 10c.; oz. 25c.;  $\frac{1}{4}$  lb. 75c.; lb. \$2.50.



PRIZE TAKER ONION...

**TRUE PRIZE TAKER ONION**—This is the large, beautiful Spanish Onion that is offered for sale in the fruit stores and in the markets of all large cities. They are of enormous size, averaging 12 to 14 inches in circumference. Although of such great size, it is very hardy and a very fair keeper. The outside skin is of a rich yellow color, while the flesh is white, sweet and tender. They bottom well and are free from stiff-necks, and have produced more bushels of marketable onions to the acre than any other variety known in America. In market it attracts marked attention, and sells readily at about double the prices of any other sort. *Beware of spurious seed.* Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 90c.; lb., \$3.50.

**ROUND WHITE SILVER SKIN**—This is uniformly small, round and handsome, with an opaque white skin which does not turn green upon exposure to the sun. They are compact and hard, but at the same time crisp and brittle, making them one of the **BEST PICKLING ONIONS** ever introduced. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 65c.; lb., \$2.50.

**EXTRA EARLY PEARL** ("BLOOMSDALE," "WHITE ETNA")—A very fine and very early variety. The bulbs when well grown are very large, round, flattened, with a delicate pure white skin; flesh very mild and pleasant in flavor. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 90c.; lb., \$3.50.

**NEAPOLITAN MACCIAJOLA** (ITALIAN MAY ONION)—A large, flat, beautiful, silvery-white skinned variety; one of the **EARLIEST OF ALL**; a fair keeper. Can be sown in February or March and will mature a crop very early; or if sown in July the crop will be matured the same season. In the South the seed can be sown in autumn, and large onions gathered in March. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$1.25.

**MAMMOTH POMPEII** (RED GARGANUS, COPPER KING)—This is a very fine Italian variety. It has produced onions weighing four or five pounds each. The skin is a delicate red, flesh close grained and nearly white and of very mild flavor. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 65c.; lb., \$2.50.

**GIANT ROCCA**—An immense onion. Light brown skin, globular in form, flesh tender and mild. It will produce an immense onion from seed the first season. To attain the largest growth the smallest bulbs should be set out the next spring, when they will continue increasing in size instead of producing seed, as is the case with American varieties. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.25.

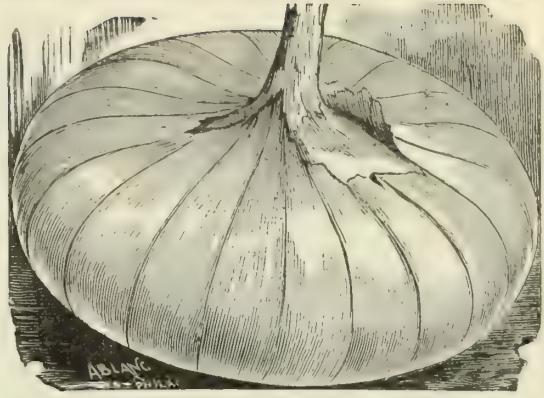
**GIANT YELLOW ROCCA** (SPANISH KING)—Resembles the above in every way except it has a beautiful yellow skin. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 85c.; lb., \$3.50.

**GIANT WHITE ROCCA, OR SILVER BALL**—One of the handsomest in cultivation. It sells readily in market at high prices. It is a very distinct variety, almost globular in shape, with a beautiful silvery skin; flesh pure white, flavor very mild and delicious. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 65c.; lb., \$2.50.

**RED VICTORIA**—Of distinct oval-round shape; can be grown to weigh two to four pounds each. Skin very dark red, flesh white or very dark rose-colored; mild and sweet; a good keeping variety. It grows best in loamy, heavy soil, which must be well worked; produces an enormous crop. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**WHITE VICTORIA**—Skin silver white, but sometimes of a delicate light rose-color; flesh juicy, sweet and milky-white. In other particulars it has the same qualities as the Red Victoria; it generally grows as large, and is of the same distinct oval-round shape. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 85c.; lb., \$3.25.

**RED MAMMOTH TRIPOLI**—Similar in size and shape to the giant White Tripoli. Skin thin and of rich blood-red color; flesh white, fine grained, mild and pleasant; of quick growth, immense size. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.25.



**MAMMOTH SILVER KING ONION**—Of attractive shape, with silvery-white skin and flesh of a most agreeable mild flavor. It matures quite early and reaches a much larger size than any other of the flat white varieties, frequently measuring twenty inches in circumference and weighing from three to five pounds when well grown. We have sold this onion for the past seven years, and as our trade is annually increasing on it we do not hesitate to recommend it as one that is **SURE TO PLEASE THE GROWER**. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 90c.; lb., \$3.50.

**POTATO ONIONS**.—Esteemed by many as the best for early use, is large size, mild, sweet flavor, very early, and a large producer; the small bulbs are planted in the spring and increase in size, and the parent bulb planted in the fall and spring produces a quantity of small bulbs in a cluster, growing mostly on the top of the ground. Price, (postpaid), pint, 20c.; quart, 35c. By express, (not paid), quart, 25c.; peck, \$1.25; bushel, \$4.50.

## ONION SETS.

**WHITE MULTIPLIERS**—Are of a pure silvery-white color, enormously productive, frequently producing as many as twenty bulbs in a single cluster from a single bulb planted; of excellent quality and size for bunching green or can be ripened for use as pickling onions. Their keeping qualities are remarkable, but their most important quality is their extreme earliness, being ready for market from three to four weeks ahead of other onion sets.

The largest of the sets, if allowed to grow through the summer, make an onion of fair size, which divides when ripening in the fall, multiplying liberally for another year.

**TOP SETS OR BUTTONS**—These produce the small clusters on the top of the stem, where seed is produced in the common kinds.

These small ones are planted in the spring and the result is large onions, and these large ones, with one year's growth, produce the clusters on the top.

**BOTTOM SETS**—Are produced by sowing the seed as early as the ground can be worked in the spring, very thickly in beds or broad drills, and not thinning out. About the middle of July, or whenever the tops die down, usually when about half an inch in diameter, they should be pulled and allowed to lay on the ground a day or two when the tops should be wrung off by hand, put into shallow trays or spread thinly in a dry loft; sets should be planted out as early in the spring as the ground is dry enough to work, in rows one foot apart, with sets two inches apart; the onions can be used in green state in June; will ripen in July.

**WINTER, OR EGYPTIAN TREE ONION**—When once set out it grows for years without any protection or care, except to keep down the weeds. It starts so early in the spring that it is ready for use a long time before any other onions can be had. It is mild flavored, sweet and tender. They form no large bulbs, but divide and grow as many as 15 to 20 small onions in one bunch. Desirable for family use, and **VERY EARLY AND PROFITABLE FOR THE MARKET GARDENER**.

**ONION SET PRICES.**—Prices are based on the present market rates and are subject to change, according to the market, without notice. The market fluctuates very much, hence we do not care to make a fixed price. Lowest market prices on small or large quantities will be given on application at any time. At bushel, peck and half-peck prices **THE BUYER** pays the **express or freight**; at pint and quart prices we pay the postage.

	Pt.	Qt.	$\frac{1}{2}$ Pk.	Pk.	Bus.
White Multiplier.....	.20	.35	.85	\$1.60	\$0.00
Top Sets, or Buttons.....	.15	.25	.65	1.00	4.25
White Bottom Sets.....	.15	.30	.75	1.25	4.75
Yellow Bottom Sets.....	.15	.25	.65	1.20	4.25
Red Bottom Sets.....	.15	.25	.65	1.20	4.25
Egyptian Sets.....	.15	.25	.60	1.00	3.75

**NOTE**—Bottom Sets are sold by measure; Top Sets and Potato Onions by weight, 28 pounds for a bushel.

Buyers of Five Pounds of ONION SEED, or over, should write for our Special Inducements.



CHINESE CELESTIAL PEPPER.



CHERRY RED.



CAYENNE.



LONG RED.



MAMMOTH RUBY KING.



GOLDEN DAWN.



LARGE BELL, OR BULL NOSE.

## PEPPERS.

Peppers should be started in a hot bed or cold frame and transplanted about the close of May in a sunny location, in rows about two feet apart each way. May also be sown in the open ground when all danger of frost is passed, and the weather has become settled and the soil warm, and transplant as above when the plants are three or four inches high. Some very rich fertilizer stirred into the soil when the plants are about six inches high will be found very beneficial to the crop. **One ounce of seed for 1,500 plants.**

### NEW COUNTY FAIR PEPPER—See Novelty List.

**MAMMOTH RUBY KING**—Of immense size, and the mildest of all varieties. Ordinarily they grow four to six inches long, by three to four inches thick. When ripe they are of a beautiful, bright, ruby red color, and are always remarkably mild and pleasant to the taste. They can even be sliced and eaten with pepper and vinegar (like tomatoes or cucumbers), and make a very pleasant and appetizing salad. The plant is of sturdy, bushy habit, and each plant produces from six to twelve handsome fruits. They should not be grown near the hot varieties or they will partake of their fiery nature. **CHOICE SEED**—Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.25.

**CHINESE CELESTIAL**—It is not only a **MOST USEFUL PEPPER**, but one of the **MOST BEAUTIFUL PLANTS** in existence. The plant begins to set peppers early and continues until frost, branching freely, and bearing profusely. The pods are borne upright, conical in shape, and, up to the time they are full-grown, are of a delicate creamy-yellow, and when fully grown change to an intense vivid scarlet, making a plant, when loaded with fruit, part of one color and part of another, an object of the most striking beauty and oddity. Peppers are two to three inches long of clear, sharp flavor, and superior for any of the uses to which peppers can be put. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**GOLDEN DAWN**—Productive and handsome yellow variety, almost exempt from fiery flavor. Not so large as Orange Mammoth. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**ORANGE MAMMOTH SWEET**—A very large yellow sort, of fine shape, mild and unexcelled for mangoes: an improved variety. Pkt., 10c.;  $\frac{1}{2}$  oz., 20c.; oz., 35c.;  $\frac{1}{4}$  lb., \$1.00.

**LARGE BELL, OR BULL NOSE**—An early variety of mild flavor; rind thick and fleshy. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**LARGE SWEET MOUNTAIN**—Very large and excellent for mangoes. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**CAYENNE**—For making Cayenne Pepper Sauce. Small; pungent; used more than any other for making pepper sauce. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**LONG RED**—Beautiful and productive, four inches long and an inch or more in diameter; flesh thick and pungent. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**Long Yellow**—Similar to Long Red except in color. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**Squash or Tomato Shape**—Fruit round, smoother and of milder flavor than the old varieties. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**CHERRY RED**—Fruit small, red, round and very hot. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 80c.; lb., \$3.00.

**Cranberry**—One of the best for pickling; resembles the cranberry. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 80c.; lb., \$3.00.

**OX-HEART**—Medium size; heart-shaped, very productive and piquant; excellent for pickling. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**SWEET SPANISH**—One of the largest and earliest varieties; the flesh is sweet and mild. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**GOLDEN QUEEN**—This is a very beautiful and very large variety. In short, it is a Ruby King in every particular except in color. Pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**JAPAN RED CLUSTER**—One of the most distinct and beautiful varieties; leaves small and narrow; its brilliant scarlet fruit is curiously crowded together in bunches at the top of each branch. A single plant will bear hundreds of these handsome peppers, which are very hot and pungent. As a decorative plant for the flower garden it will be found very useful; as its bright colored fruit, which ripens early in the season, makes a charming contrast with its deep green leaves. Pkt., 5c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**CORAL CEM BOUQUET**—It's beautiful little pods of shining red are so thickly set as to give it the appearance of a bouquet of corals. As a pot plant it is a most rapid selling article; beside its great beauty, it serves the housekeeper in a most convenient way when pods are wanted for seasoning. In the open ground the plant grows to a height of about two feet, and is so densely set with pods as to bend its branches. A splendid sort for making pepper sauce. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**Bloomingdale, Pa.**—“The MAMMOTH RUBY KING Mango seed I bought of you last year raised the largest mangoes I ever saw. One measured fourteen inches around.”—Mrs. Crawford Root.

## OKRA OR GUMBO.

One of the most wholesome vegetables of the South. The pods, when young, make a fine soup of themselves, or with other ingredients, and when pickled, are a fine salad. Plant the seed after the ground is warm, thickly in drills three feet apart, thinning to one foot. Make early and late sowing to secure a supply throughout the season. No trouble to grow in good garden soil.

**Dwarf**—Early and abundant bearer. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**White Velvet**—Decidedly the **BEST OF ALL**. It is very distinct in appearance, and, unlike other varieties, the pods are not ridged, but are perfectly round, smooth, and of an attractive white, velvety appearance, and of superior flavor and tenderness. The plants are comparatively dwarf, of compact, branching growth; the pods are of extra large size, produced in great abundance. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

WHITE VELVET OKRA.

## PARSNIP.

Sow as early in the spring as the weather will admit, in drills fifteen inches apart and half an inch deep, in rich, well manured ground, well dug. Cultivate similar to carrots and thin out to six inches apart in the rows. The roots improve by leaving in the ground over winter, securing enough in pits or the cellar for immediate use. **One ounce to 200 feet of drill, five or six lbs. for an acre.**

### LARGE SUGAR OR HOLLOW CROWN (IMPROVED GUERNSEY)

The best variety in cultivation for general use, roots intermediate in length, white, smooth, sugary, of excellent flavor; easily harvested. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Long White Dutch**—Roots very long and smooth; hardy and keeps through winter without any protection. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Maltese Half-Long**—Shorter than Hollow Crown; better for shallow ground. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Mt. Ephraim, 0., April 2, '91.** "I have been planting your seeds for six years, have always been satisfied with them and pleased with your promptness and honest dealings. I thank you very much for your extra seeds you have sent with each order. You have my best wishes for continued success, which you richly deserve."—MRS. DAVID WATSON.



## • PUMPKIN. •

Pumpkins are not so particular in regard to soil as melons or cucumbers, but in other respects are cultivated in a similar manner, though on a larger scale. They are generally raised in fields of corn or potatoes, and may be planted with success in fields by themselves, in May or early June, in hills eight feet apart each way. **One ounce for 15 hills, one pound for an acre.**

**MAMMOTH TOURS**—A productive French variety, which grows to an immense size, often weighing over 100 pounds. Grown for cattle and table use. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**MAMMOTH ETAMPES BRICHT RED**—This giant variety, from France is quite celebrated, and has been grown in this country to enormous size; it is of a bright glossy red color, a splendid variety to grow for exhibition purposes. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

**LARGE COMMON YELLOW FIELD "Cow Pumpkin"**—Grown principally for feeding stock. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 40c.

**TENNESSEE SWEET POTATO PUMPKIN**—Excellent for pies; pear-shaped; medium size flesh and skin creamy white, fine grained; sweet and delicious first-rate keeper. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**SMALL SUGAR**—Very productive about ten inches in diameter; deep orange-yellow; fine-grained; sweet, and keeps well. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**GENUINE MAMMOTH OR TRUE POTIRON** (also called King of the Mammoths, Large Yellow Mammoth, Mammoth \$50.00 Pumpkin and Jumbo Pumpkin) Form much like an immense Nutmeg Melon with depressed ends, slight ribbed and grows to an enormous size, three feet or more in diameter. Skin salmon-colored; flesh bright yellow, fine-grained and of good quality. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 65c.; lb., \$2.25.

**ST. GEORGE (Negro, or Nantucket Pie)**—Good 'Pumpkin-Pie' pumpkin. It is oblong in shape with ten or twelve prominent ridges from stem to blossom end; color of skin, very dark green, almost black; flesh, orange color. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 7c.

**NEW JAPANESE**—Crooknecked variety with extremely small seed cavity; nearly all solid meat; quality extra fine. Seeds distinct in appearance, being curiously sculptured in the manner of Chinese letters. Productive; ripens early; medium size; good keeper. Flesh a rich salmon, unusually fine-grained; when cooked or stewed is dry and mealy. Easily cut and dried like apples, and make excellent pies or sauce for winter use. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.



YELLOW FIELD PUMPKIN.



LARGE SWEET CHEESE PUMPKIN.

**LARGE SWEET CHEESE**—Fine for pies. Productive; flesh yellow sweet; keeps well into winter. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 50c.

**LARGE SWEET OR PIE**—Not so flat as Cheese, larger, very heavy thick meat and sweet. More generally grown in this State than any other, both for stock feeding and table use. Skin dark orange and some times mottled with green. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**THE JONATHAN**—Excellent new variety introduced last season. A crookneck variety; large size; very prolific; good keeper; flesh smooth and even; sweet and fine for pies. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

## • PARSLEY.

Parsley is used for seasoning soups, meats, etc., for salads and garnishing, also for an ornamental border for the flower garden; it succeeds best in a rich, mellow soil. As the seeds germinate very slowly, three or four weeks elapsing sometimes before it makes its appearance, it should be sown early in spring, in rows one foot apart; sow thick and cover half an inch deep, finely thin to five or six inches in the row, or transplant and cut back frequently. For winter use protect in a frame or light cellar. **One ounce for 150 feet of drill.**

**FINE DOUBLE CURLLED**—A fine dwarf variety. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**CHAMPION MOSS CURLLED**—Very beautifully crimped and curled. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 75c.

**EXTRA CURLLED EMERALD**—Distinct from other varieties, being a lighter shade of green. The plant is dwarf, with leaves finely cut and curled. Pkt., 5c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.

**FERN LEAVED**—Very beautiful; more like crested fern or moss than Parsley; good for table decoration. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.

**Plain**—The leaves are plain; it is hardier than the curled. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 65c.

**Hamburg, or Turnip-Rooted**—A fleshy-rooted kind; the roots are use for flavoring soups. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.



PARSLEY.

# PEAS.

PEAS mature earlier in a light, rich soil; for a general crop, a rich, deep loam, or inclining to clay would be best. They thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires manuring, use well rotted manure; for the dwarf varieties you can hardly make the soil too rich. When grown for a market crop they are never staked, but are sown in single rows one inch apart and three inches deep, the rows from three to four feet apart, according to variety or soil. When grown in gardens they are sown in double rows, six or eight inches apart, the tall ones requiring brush, which is stuck in between the rows. Commence sowing the early varieties as early as the ground can be worked in the spring, and continue for a succession every two weeks up to June, discontinuing until the middle of August, when a good crop can be secured by sowing the extra early and early sorts. They should be kept clean with the cultivator or hoe, and earthed up twice during growth. Wrinkled varieties are not as hardy as the small, hard sorts, and if planted early should have dry soil or they are liable to rot in the ground; they are, however, the sweetest and best flavored varieties. One quart sows 80 ft. of drill; 2 to 3 bushels to the acre.



## LIVINGSTONS FIRST IN MARKET PEAS.

**REMEMBER!** That WE PAY THE POSTAGE on Peas at the prices quoted.

**LARGE PACKETS.**—Customers write us that our packets contain more seeds than others.

**QUART AND PINT PRICES** include postage; if to go by express at buyer's expense, deduct 15 cents per quart, or 8 cents per pint, from the prices below.

**BUSHEL AND PECK PRICES** see Special Page at the end of this list.

## LIVINGSTON'S FIRST IN MARKET PEAS.

Several years ago, when we introduced this variety, the name was chosen because it was an appropriate one for this, THE EARLIEST of all the very early Peas. It means FIRST PEAS IN MARKET and FIRST MONEY to every one who grows from this stock for market purposes. It is VERY PROPRIATE for the GARDENER and SHIPPER because it is very early, ripens uniformly, so that all the pods may be picked within seven weeks from the time of planting, and that at one picking. No brush or other support is required, as they seldom, under any circumstances, grow to exceed twenty inches in height. The pods are handsome, straight, and full of medium sized round peas of first-rate quality, and it is immensely productive for so early a variety. We have been carefully looking into the REAL EARLY Pea subject and testing the various "strains" and "brands" on the market for years, until we are convinced, as well as all of our customers who have given them trial, that FIRST IN MARKET LEADS ALL. Our grower, who is a pea expert, is located as far north as the pea can be grown to perfection. The climate of this latitude, we find, forces a quick, vigorous growth of pod and no useless foliage, and gives the stock decided advantage over that grown in the large pea growing sections farther south, where most all of the peas for seed purposes are grown. We make the price low that all may try it.

**PRICE**, (postpaid), Pkt., 10c.; pint, 20c.; quart, 40c. Price per bushel and peck will be found at the end of the Vegetable Seed List.

## AMERICAN WONDER.

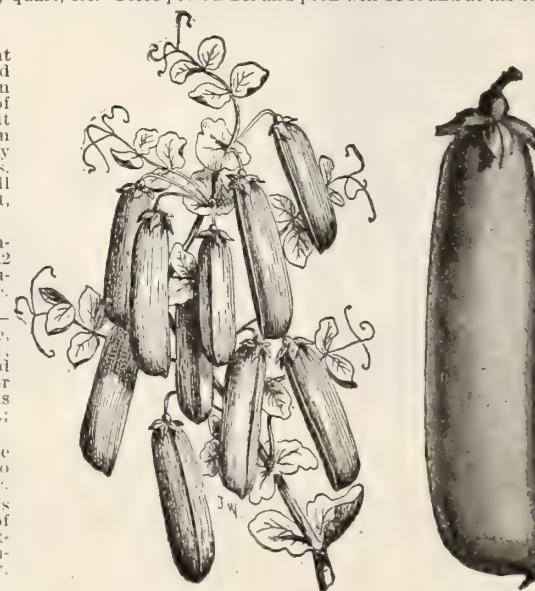
This variety LEADS ALL DWARFS in point of earliness, productiveness, flavor and quality, and is THE EARLIEST large green wrinkled pea in cultivation. It is of dwarf and robust habit, growing about ten inches high, and produces a profusion of good sized and well filled pods fairly packed in of the finest flavored Peas. Ours is the TRUE BLISS STOCK and will please the most critical. Pkt., 10c.; pint, 20c.; quart, 40c.

**MCLEAN'S LITTLE CEM**—A gem indeed. Dwarf green wrinkled variety, 12 to 11 inches high; prolific and of very superior flavor. Pkt., 10c.; pt., 20c.; qt., 40c.

**EXTRA EARLY PREMIUM CEM**—Very fine dwarf pea of Little Gem type, on which it is decided improvement, larger pods, more productive. Best and most profitable Early Wrinkled Pea for market gardeners, and for family gardens there is none better. Pkt., 10c.; pint, 20c.; quart, 40c.

**LANDRETH'S EXTRA EARLY**—The well-known early variety. Height, two and a half feet. Pkt., 10c.; pt., 20c.; qt., 40c.

**KENTISH INVICTA**—About five days later than the Daniel O'Rourke; pods of a fine green color; very prolific and of excellent flavor. One of the best for canning, and a good general market variety. Pkt., 10c.; pint, 20c.; quart, 40c.



AMERICAN WONDER PEA.

## BLUE BEAUTY PEA.

Its distinctive feature is its unusually regular habit of growth. Height, 1½ feet. It is a blue, round pea, and is nearly as early as the American Wonder. Pods of medium size, borne in the greatest profusion, and are well filled for so early a pea. In quality and flavor, Blue Beauty cannot be surpassed. Price (postpaid), Pkt., 10c.; pt., 25c.; quart, 40c. By express (not paid), qt., 25c.; 5 qts., \$1.; peck, \$1.50.

**NEW ALASKA**—This BEAUTIFUL BLUE market pea has become a standard variety and is the EARLIEST of ALL BLUE PEAS, proving to be not only several days earlier than most early sorts but of larger size and ten per cent. more productive. The vines are dwarf, growing only about twenty inches high; very uniform, maturing the crop for one picking; of excellent quality, and retains its desirable color after cooking. Pkt., 10c.; quart, 20c.; quart, 40c.

**Improved Dan'l O'Rourke**—A very good strain which we consider fully equal to most stocks offered as Extra Early. Pods of fine shape, contain from five to eight peas of fine quality; prolific, uniform in growth and ripening; height 2½ feet. A fine pea for the family garden, because it grows taller, lasts longer, and produces more peas than those grown expressly for market gardeners' use. Pkt., 10c.; pint, 20c.; quart, 35c.

We can supply the following well-known varieties at the uniform price of 10c. pkt., 20c. pint., 40c. quart.:  
**Alpha**, **Tom Thumb**, **Blue Imperial**, **Blue Peter**, **Rural New Yorker**,

**Yorkshire Hero.**

## MEDIUM EARLY SORTS.

**ABUNDANCE**—Plants half dwarf, fifteen to eighteen inches high, pods large size, containing six to eight wrinkled peas of excellent quality. It ripens second early, so the seed much thinner than usual, six inches apart being the proper distance, as it has a remarkable tendency to branch. Pkt., 10c.; pint, 20c.; quart, 40c.

**EVERBEARING**—A new variety, maturing soon after the Gem, and continuing a long time in bearing. Vine stout, about eighteen inches high, bearing at the top six to ten broad pods. Peas wrinkled, large, cook quickly, and very tender; superior flavor, although they are not quite so sweet as some. Pkt., 10c.; pt., 20c.; qt., 40c.

**MCLEAN'S ADVANCER**—A green, wrinkled variety, about two and a half feet high, with long pods, which are abundantly produced and will filled to the end. About the best second-early on the list; excellent flavor. A favorite with canners; a good one for market gardeners, as it comes in close after FIRST IN MARKET. Pkt., 10c.; pint, 20c.; quart, 40c.

**HORSFORD'S MARKET GARDEN**—A wrinkled variety coming in between the Little Gem and the Advancer. In habit of growth quite distinct. Vines two feet high and very even and regular. A MOST PROLIFIC BEARER, OUTYIELDING ALL for height of vine; pods medium size, numerous, and well-filled with peas of sweetest flavor. This variety is fast coming into general favor on account of its PRODUCTIVENESS AND GENERAL GOOD QUALITIES. Pkt., 10c.; pint, 20c.; quart, 40c.

**FILLBASKET**—This variety is one of the best second-early Peas in cultivation; dwarf growing; of excellent flavor. Pkt., 10c.; pt., 20c.; quart, 40c.

## MEDIUM LATE SORTS.

**TELEPHONE**—In season about midway between FIRST IN MARKET and WHITE MARROWFAT. Green, wrinkled; height, three and a half feet; productive; pods unusually large size, elegant shape, slightly curved, well filled with peas of large size, good quality. A great favorite with our local gardeners. Pkt., 10c.; pint, 25c.; quart, 45c.

**STRATAGEM**—Half dwarf; green, wrinkled; two feet; vigorous, branching habit; leaves unusually large size. Under favorable conditions an enormous cropper. Pods long, filled with from seven to nine peas of enormous size. The pod of this excellent pea is quite well shown in the illustration of the Telephone, on this page. The only fault this tree has is its tendency to sport somewhat, but we think our stock is as pure as any that is offered. Pkt., 10c.; pint, 25c.; quart, 45c.

**PRIDE OF THE MARKET**—Vines medium height, stiff, bearing at the top, generally in pairs, a good crop of very large, dark green cobs, well filled with large peas of good flavor. This has become very popular on account of its handsome pods. Pkt., 10c.; pint, 20c.; quart, 40c.

## LATE SORTS.

**AMERICAN CHAMPION**—A MAGNIFICENT PEA and one of the LARGEST OF ALL. enormously productive, and its flavor and quality closely approaching that of the well-known Champion of England. The pods are extremely large, produced in pairs, and are well filled, each pod containing from nine to twelve large, fine peas. It is a tall growing sort, of branching habit, and should be planted thin. Pkt., 10c.; pint, 25c.; quart, 45c.

**CHAMPION OF ENGLAND**—Universally admitted as one of the best peas grown; delicious flavor, profuse bearer of immense pods filled with very large, green wrinkled peas; height about four feet. Pkt., 10c.; pint, 20c.; quart, 40c.

**NEW PEA "HEROINE"**—It is a medium early green wrinkled Pea and grows uniformly two to two and a half feet high, coming in between Advancer and Champion of England, and bears a profusion of large, long, slightly curved, pointed pods, containing from nine to ten large peas of finest quality. This New Pea is destined to eclipse Stratagem and Pride of the Market for market purposes, and being nearly as early as the Advancer, will also be more desirable than that well-known variety. In field culture we have known it to ripen and yield double the quantity of peas that the ordinary varieties do, and hence is an immense cropper. Like many of our most valuable Peas, it is a variety of English origin. All these varieties produce Peas of finest quality, but HEROINE excels them all. Pkt., 10c.; 1/2 pt., 20c.; pt., 35c.; qt., 60c.

**TELEGRAPH (LONG ISLAND MAMMOTH)**—A strong grower, producing large pods containing ten to twelve peas in each one. Peas when cooked are of a deep green color, and of very fine flavor. Pkt., 5c.; pt., 20c.; qt., 35c.

**SANDERS' MARROW**—A tall, late, and immense cropping variety. The pods are produced in pairs, and are well-filled with fine, large, wrinkled peas, the largest of any; quality sweet and delicious. Retains its deep green color when cooked. Pkt., 5c.; pt., 20c.; quart, 40c.

**FORTY-FOLD**—An improved variety of the Champion of England of high merit; medium in height; pods large, pea wrinkled and sugary. Pkt., 10c.; pint, 20c.; quart, 40c.

**LARGE BLACK-EYED MARROWFAT**—An excellent variety, either for garden or field culture; grows about four feet high, with large and well filled pods. A popular market variety. Pkt., 5c.; pint, 20c.; quart, 35c.

**LARGE WHITE MARROWFAT**—One of the oldest varieties in cultivation, and a favorite market sort; well liked by farmers who want a late white pea; grows about 4 feet high, is well filled with very large pods; pea of excellent quality. Pkt., 5c.; pint, 20c.; quart, 35c.

## EDIBLE PODDED SORTS.

All edible podded varieties are used either shelled or cooked in the pods like string beans, which, when young, are very tender and sweet.

**DWARF SUGAR**—(GRAY SEEDED)—Grows about two feet high; productive; seeds large and shriveled; pods broad, flat, crooked, and contain five or six peas. Pkt., 5c.; pt., 20c.; quart, 40c.

**Tall Sugar**—Tall, productive. Pkt., 5c.; pint, 25c.; quart, 40c.

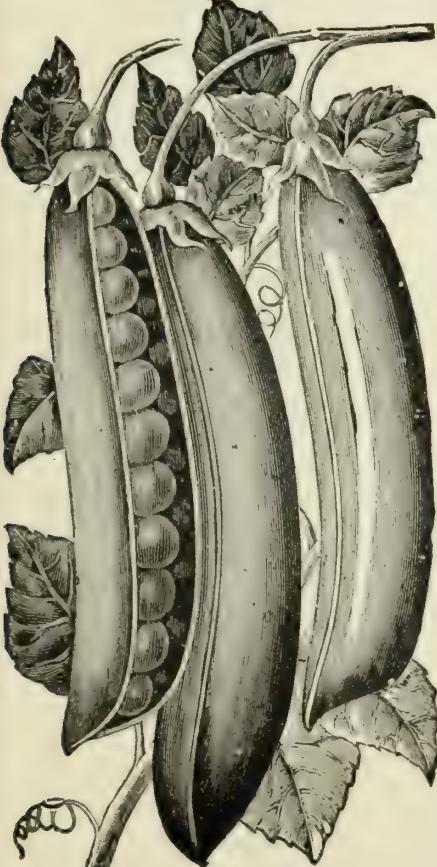
**MELTING SUGAR**—See Novelty List.

## FIELD PEAS.

Used for field culture only. In their dry state they are used extensively for feeding stock, for making soups, and in the manufacture of coffee. They are usually sown broadcast alone or with oats, and either cut and fed green, or left to ripen and then threshed and ground with oats. They are very extensively grown in Canada, and their cultivation is quite largely on the increase throughout the United States.

Our stock is northern grown. Two and one-half bushels for an acre.

*By express or freight—Bushel, \$2.00; peck, 60c. By mail (postpaid), quart, 35c.; pint, 20c.; pt., 5c.*  
*Special prices on any quantity over a bushel. The market is subject to fluctuation, and we prefer to quote rather than make a fixed price.*

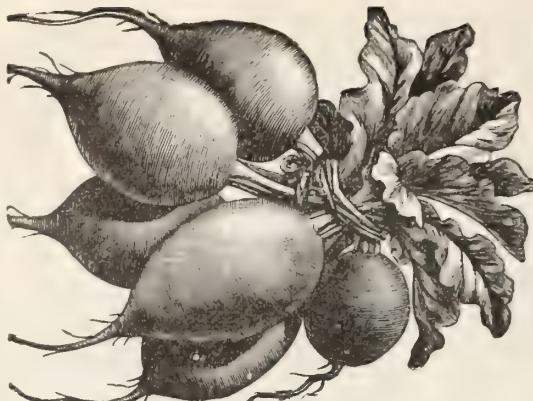


TELEPHONE PEAS

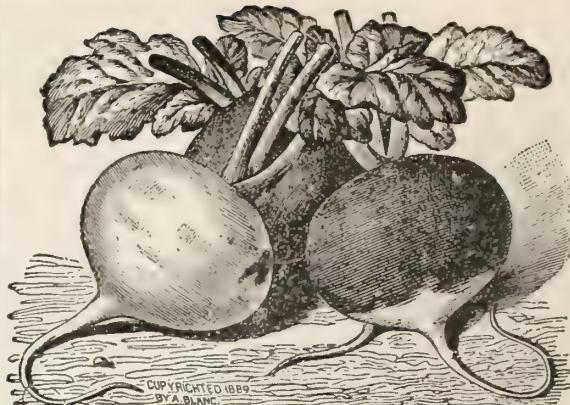


## RADISH.

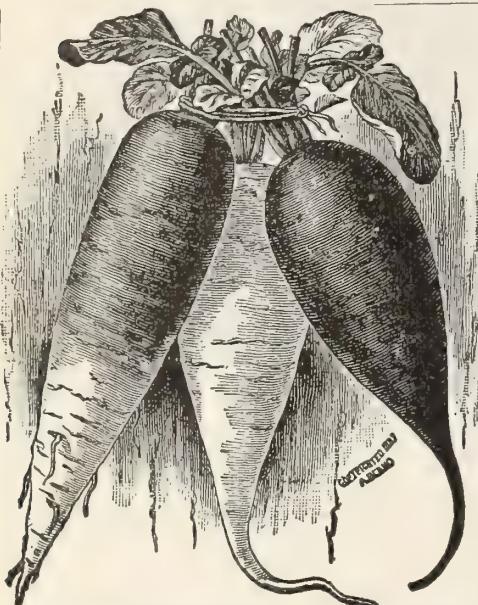
## RADISH



EARLY SCARLET GLOBE.



WHITE SUMMER. EARLY SCARLET. SCARLET, WHITE TIP.



CHARTIER. WHITE STRASBURG. HALF LONG SCARLET.



## RADISH.

All the varieties thrive best in a light sandy loam. For early use, sow in the hot-bed in February, giving plenty of ventilation, or outside in drills as soon as the soil can be gotten in order, covering the seed about half an inch deep. Sow every two weeks from March to September, for a succession; they must grow rapidly to be crisp, mild and tender. **One ounce sows 100 feet of drill, 8 to 10 pounds for an acre.**

**EARLY SCARLET GLOBE**—One of the earliest and best varieties for forcing; its color is very handsome; flavor mild; crisp and juicy; stands a great amount of heat without becoming pithy; good for garden culture. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

**EARLY SCARLET TURNIP**—Very early and in great demand for home consumption. Small, round, with a short top; delicate in flavor, good for summer use; will grow three inches in diameter if allowed to stand long enough. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 55c.

**SCARLET TURNIP, WHITE TIP**—Very handsome, bright scarlet color, white tip. Many gardeners make a sowing of this every two weeks all summer, its fine appearance attracts customers, and its quality always pleases, causing a constant demand Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 60c.

**EARLY WHITE TURNIP**—Pure white in color, with a small top; flesh pure white and semi-transparent. Is a few days later than the Early Round Dark Red. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 60c.

**LARGE WHITE SUMMER TURNIP**—The market gardener's favorite. Round, smooth, very white; very crisp and tender. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 60c.

**FRENCH BREAKFAST**—A variety of quick growth. Very mild and tender; one of the best for forcing. Oval form, scarlet tipped with white. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 55c.

**WHITE STRASBURG**—The roots are of handsome, oblong, tapering shape; both skin and flesh are pure white. The flesh is firm, brittle and tender, and possesses the most desirable character of retaining its crispness even when the roots are old and large. It is excellent for summer use, as it withstands severe heat and grows very quickly. The seed can be planted throughout the summer, and fine large roots will be rapidly formed. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 60c.

**HALF LONG DEEP SCARLET**—An extra early radish; very popular. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

**YELLOW SUMMER TURNIP**—Grows to perfection in the hottest weather. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 55c.

**EARLY ROUND DARK RED**—The shape is the same as that of the Early Scarlet Turnip, and it differs only in the skin being darker in color, and making smaller tops. Largely used for forcing around New York City. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 55c.

**CRAY SUMMER TURNIP**—An excellent variety for summer use. A heat resister. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 60c.

**NON PLUS ULTRA (DEEP SCARLET FORCING TURNIP)**—By far the smallest topped and earliest forcing radish in cultivation. Roots small, round, deep rich scarlet; very crisp, tender, white flesh. It matures in 18 to 20 days and the tops are so small a large number can be grown in a single bed. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

**EARLY FIRE BALL**—Very pretty little fire-red Radish, round in shape; small top; small top; preferred by many for early forcing. Resembles Non Plus Ultra in size and shape. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 60c.

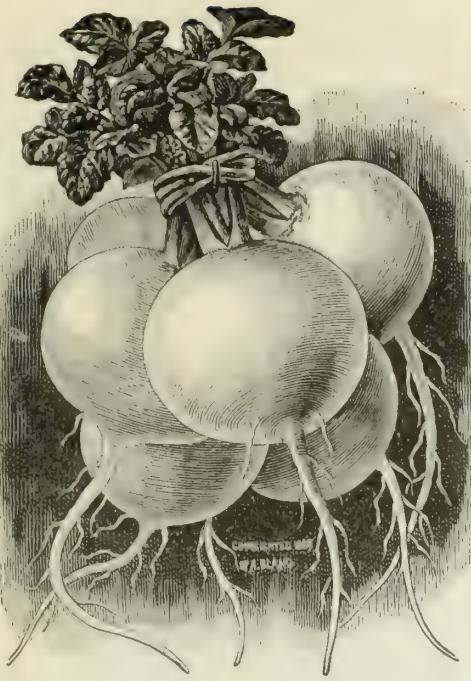
**COLDEN GLOBE**—Perfect globe shape and golden colored skin; quick growth, tender and brittle. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 60c.

**WOOD'S EARLY FRAME**—But few growers are aware of the fact that this is over ten days earlier than the Long Scarlet, which it very much resembles, although not quite so long. An excellent variety for forcing. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 60c.

**GIANT WHITE STUTTCART**—A favorite German Radish; grows quick, of large size, often four inches across, in shape like a large top, both flesh and skin are white, of fine quality, firm and brittle, never gets pithy. Those not used late in the summer can be stored for winter use. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 60c.

**ROSY CEM**—One of the earliest; perfectly globular; color rich, deep scarlet at the top, blending into pure white at the bottom; exceedingly tender, crisp and delicious; equally desirable for either the market or the home garden. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

**BRIGHTEST LONG SCARLET RADISH** Sometimes called Cardinal. White Tipped. The handsomest Long Radish grown. A new sort, sent out last year, and which we tested and found to be of great merit. Resembles the Early Long Scarlet in shape and size. Extraordinarily early, being fit for use in twenty-five days after sowing. The most remarkable quality however is its color which is the brightest scarlet we have seen in any radish. The tips are white. Out sells any other long red radish on the market. An extra fine sort for the home garden, the quality being very good. Pkt. 10c.; oz. 15c.;  $\frac{1}{4}$  lb. 40c.; lb. 51.25.



**PHILADELPHIA WHITE "BOX" RADISH.**—Its points of superiority are short top, rapid growth, perfect turnip shape, extra fine quality, and showing but little disposition to become pithy, but remaining solid and juicy for sometime after fully grown; especially fitted for growing under glass, in frames or "boxes," hence its name. Owing to its very few leaves, it can be sown thickly. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**EARLY LONG SCARLET SHORT TOP**—An admirable sort for forcing, also the leading out-door, quick-growing sort, both for private and market gardens the country over; grown in rich, light soil, its average length is about eight inches; grows half out of the ground, straight and uniform in color, brittle and crisp, small top, bright scarlet. None better for shipping in bunches. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 75c.

**WHITE LADY FINGER—LONG WHITE VIENNA**—The finest long White Radish in cultivation. Beautiful in shape; skin and flesh pure snow white; crisp; rapid growth. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

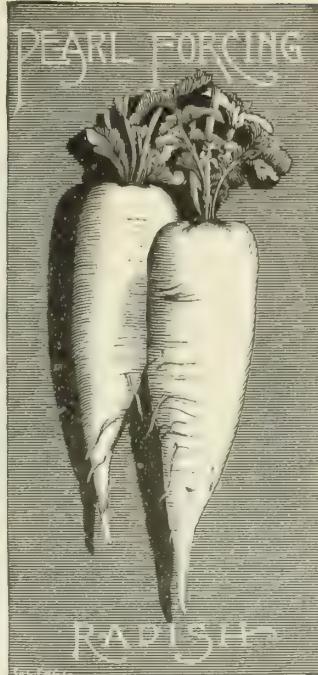
## THE CELEBRATED CHARTIER RADISHES.



**IMPROVED CHARTIER—(SCARLET)**—A decidedly distinct and exceedingly handsome and attractive variety. This radish has been grown for years by market gardeners in Western Pennsylvania as Chartier, and in Indiana as the Shepherd. The color at the top is scarlet rose, shading into pure waxy white at the tip. It will attain a very large size before it becomes unfit for the table, and is undoubtedly the very best "all seasons" radish for open garden culture. It is ready for use or market, nearly as early as the Long Scarlet Short Top, and keeps crisp and tender for two months, not becoming stringy when large, as do most other radishes. Planted late it makes a good winter keeper. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 60c.

**CHARTIER LONG WHITE—(NONPARIEL)**—Derived from the preceding, and in all respects similar, only that the color is pure white. Pkt. 5c.; oz. 10c.;  $\frac{1}{4}$  lb. 20c.; lb. 60c.

**CHARTIER WHITE TURNIP—**A grand summer variety and preferred by many to all other white radishes for midsummer use. Pkt. 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.



This cut shows some of the Radishes that will grow from a package of LIVINGSTON'S MIXTURE

## OUR RADISH SURPRISE.

**LIVINGSTON'S MIXTURE**—This is a mixture of over twenty choice varieties of early, medium and late radishes. You will certainly have radishes all summer and be greatly SURPRISED at the results if you give it a good place in the garden. For several years we have sent out large quantities of this mixture and the unanimous reports sent in has been "HAPPILY SURPRISED." Large packet, 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.75

## LIVINGSTON'S NEW RADISH.

**PEARL FORCING**—This new sort introduced by us in the spring of 1891 is a cross between Wood's Early Frame and White Strasburg. A most distinguishing characteristic is its rich, waxy appearance. The shape is one long sought for, and the most advantageous for bunching, being what might be called half stump rooted. The color is pearl white, with the waxy appearance above described, and the texture is very firm and solid. It is about one week later than Wood's Early Frame, but after they are ready for marketing they remain in eatable condition fully two weeks longer, before they show any sign of going to seed, and do not become woody. They will not bear quite so close planting as Wood's Early Frame, but their long standing after being ready for market without running to seed, or becoming woody or unfit for table use, more than makes up for wide planting. If grown properly they have a smaller top in forcing than when grown in the open field. All things considered, we pronounce it absolutely the very best general purpose White Market Radish in existence. Pkt., 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

**Oakland, Fla.**—“The packet of mixed radish seed you sent me turned out to be a REVELATION, so complete was the assortment.”—JOHN WINKLEMAN.

**Waveland, Kansas**—“Had seeds from you last year which proved as well as any we ever had. The Surprise Radish raised some very fine radishes.”—W. D. VAWTER.

**North Sewickley, Pa.**—“I have been getting seeds from you for 12 years and have always been satisfied with them, and pleased with your promptness and honest dealing.”—T. W. MCKIN.

## • • WINTER VARIETIES. • •

Sown in the summer and used in the fall, or put away same as turnips for winter use store in the cellar.

**CHINESE ROSE WINTER—(SCARLET CHINA)**—A bright rose colored winter variety. Of excellent quality, certainly one of the best, and would be grown generally by radish growers if better known. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**CALIFORNIA MAMMOTH WHITE**—A general favorite and grown extensively by the Chinese gardeners in California; it is eight to twelve inches long, and from two to three inches in diameter; white, solid, and of good flavor. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**LONG BLACK SPANISH**—Grows six or eight inches long, and about one and one-half inches through at top; skin black; flesh white and of firm texture. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**ROUND BLACK SPANISH**—Similar to the above, except in shape. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**LONG WHITE SPANISH**—Mild in flavor. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

## RHUBARB.

(PIE PLANT—WINE PLANT.)

A deep, rich soil is best for Rhubarb; sow early in drills, eighteen inches apart and one inch deep; the spring following transplant, allowing each plant at least two feet square; each fall mulch with manure. One ounce for about 600 plants.

VICTORIA—Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.LINNAEUS—Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

## RHUBARB ROOTS.

By mail (postpaid), each 25c.; 4 for 75c.; 6 for \$1.00.

By express (not paid), each 10c.; dozen, \$1.00.

Special prices in quantity on application.

## SPINACH.

For spring use sow early in drills one foot apart, and every two weeks for succession; as it grows thin out for use, keeping it clear of weeds. For fall use, sow in August; for winter use, in September, in well manured ground; mulch with straw on the approach of severe cold weather. One ounce for 100 feet of drill. Ten pounds for an acre in drills.



ROUND SUMMER SPINACH.

**IMPROVED THICK LEAF (VIROFLAY)**—A decided improvement on Round Summer. Has very large, thick leaves, of great substance. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

**CURLED-LEAVED SAVOY (NORFOLK, BLOOMSDALE)**—The earliest variety, of upright growth, fine, large, tender, savoyed leaves. Grows quick, but will not stand long. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

**LONG-STANDING**—An improved strain; later in going to seed than any other; especially desirable for market gardeners. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**NEW ZEALAND**—Withstands heat and drouth and produces leaves in great abundance throughout the summer in the hottest climates, where ordinary Spinach will not do well; should be raised in heat and transplanted three feet apart each way, into light, rich soil. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

## SALSIFY.

(VEGETABLE OYSTER.)

The long, white, tapering root of Salsify resembles a small parsnip, and when properly cooked it is a good substitute for oysters in taste and flavor, and is very nutritious. In cooking the roots are usually boiled, or they can be mashed and made into fritters. It succeeds best in light, well enriched soil. If it is necessary to use manure, it should be very fine and well-rotted. Sow early in drills eighteen inches apart, and two inches deep; finally thin to four or five inches apart. The roots are perfectly hardy, and may remain out all winter. They are best after frost has touched them. One ounce for fifty feet of drill.

**LONG WHITE**—Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.25.

**MAMMOTH (SANDWICH ISLAND)**—A very large and superior variety. Mild and delicately flavored. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

**SCORZONERA (BLACK SALSIFY)**—Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.75.

**Hattiesburg, Miss.**—“Your seed has always done well. All germinate and are true to name. I cannot speak too highly of them.”—E. H. MCKINSTREY.

## TRUE TO NAME.

**Lowell, Iowa**, “Please send as soon as possible. I send to you as I have never received a package of seed from you but what grew and was true to name.”—MRS. C. S.

**CUSTARDS, PA.**, (April 30, '92.) “I am much pleased with my seeds and vines, the vines were so green and nice, they came in good shape and many thanks for the extras.”—L. P.

## SQUASH.

Plant after all danger of frost is past, and get in the winter kinds as soon as possible, in order that they may mature. Plant in hills five feet apart for bush varieties, and six or eight feet for running varieties, putting six or eight seeds to the hill, finally leaving but three. One ounce of the bush varieties for 40 hills, or of large-seeded running kinds, 15 hills; two to three pounds of one, and three to four pounds of the other, for an acre.

variety for market and the best of all for the Southern shipper. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.

## EXTRA LARGE GOLDEN BUSH SCALLOP

Decidedly the best strain of Yellow Bush Scallop



SCALLOP SUMMER SQUASH.

**PERFECT CEM**—Excellent, both as a summer and winter squash; bears a great number of small squashes, nearly round, slightly ribbed, skin smooth, creamy white, fine grained, excellent flavor. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 70c.

**COCOONUT**—Excellent and beautiful; very prolific, yielding from six to a dozen on a vine. The color is an admixture of cream and orange, while the bottom is a rich green. Flesh fine-grained, sweet, and very solid; quality excellent. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 70c.

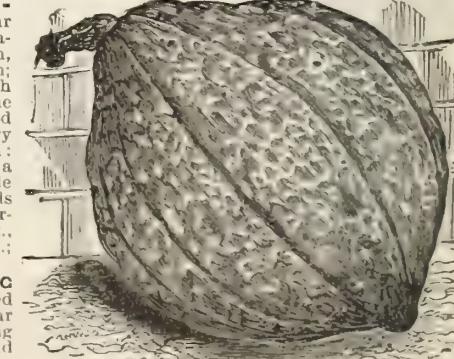
## BOSTON MAR-

ROW

—A popular fall and winter variety. Has a thin, bright orange skin; the flesh is a rich salmon yellow, fine grained, sweet and dry, but not so dry as the Hubbard; very prolific; is a splendid table squash and finds ready sale in market. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

## NEW EGG

PLANT—So named from its peculiar fitness for cooking like egg plant, and resembles it in shape. A very early bush variety. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.



BOSTON MARROW SQUASH.

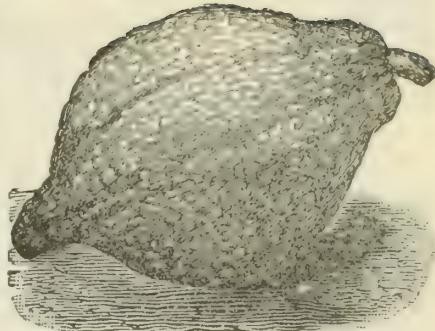
**AMERICAN TURBAN**—A good autumn and early winter variety. Flesh orange yellow. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 70c.

## Livingston's Improved Cushaw Squash

This is the genuine Cushaw of "ye olden times," and is a great favorite. Our engraving was made from a photograph of a 55-pound specimen. Very beautiful in appearance, being a distinct mottled green and white striped. The flesh is a rich yellow, solid, fine grained, very sweet and excellent for pies; equally as good for baking. They are hardy, bugs seldom bother them, especially when other varieties are near. Can be grown among corn, same as pumpkins, and yield a good crop, but the better way is to grow them separately on good, rich soil, in hills 10 to 15 feet apart each way. This variety sells well on market and should be in the hands of every market gardener. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.



CUSHAW SQUASH.



HUBBARD SQUASH.

## TRUE HUBBARD.

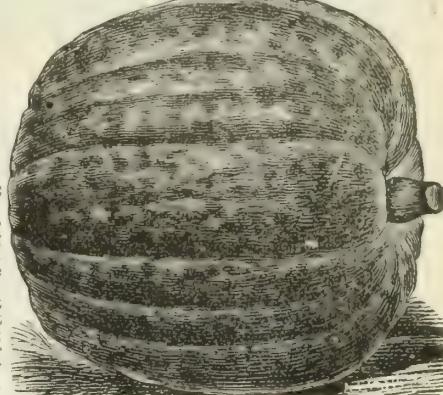
Generally considered the best winter squash grown; flesh dark yellow, fine grained, dry and sweet; very hard shell; will keep until spring; very productive. We offer a very carefully grown stock Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

## PIKE'S PEAK OR SIBLEY

An improvement on the Hubbard. Shell smooth, thin, and of a pale green color; flesh thick, solid, deep orange color, very dry, of fine grain and delicate flavor. They weigh from 9 to 11 pounds, and are excellent keepers. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

## MAMMOTH CHILI

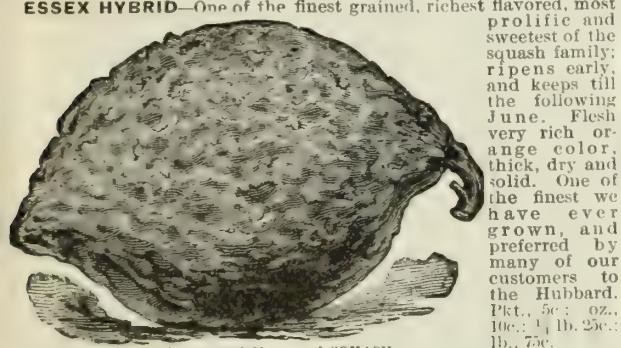
—TRUE STOCK—Largest of all squashes, often attaining a weight of two hundred pounds without losing its fine shape and good quality. The outer color is a rich orange yellow; the skin is smooth; the flesh is very thick, bright yellow; keeps well throughout the entire winter and spring; it is very productive, of fair quality, and will be found very profitable for feeding stock. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.



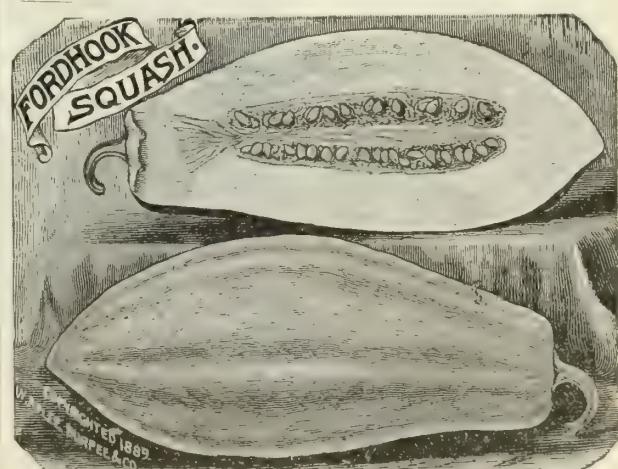
MAMMOTH CHILI SQUASH.

## EUREKA—NEW FOR '93.

**A NEW SQUASH FOR THE FARMER.**—We are pleased to have such a good thing to add to our former introductions. All should try a packet at least and ANY who TAKE OUR WORD FOR IT and secure a pound will be well pleased with the result of their investment whether grown for market or home consumption. For illustration and description see Novelty List. Pkt., 5c.; oz., 25c.; 4 ozs., 80c.; lb., \$3.00, postpaid.



COLVIN'S ORANGE MARROW SQUASH.



**FORDHOOK**—The size is most convenient for family use. It is yellow outside, and a straw-yellow within. The flesh is dry and sweet. It seems incapable of rotting, and placed in a cool, dry room, keeps in perfect condition throughout the winter and spring, until late in June. The thin, hard stem, and the roots, which are slim and hard, furnish absolutely no food for the squash borer. Maturing early, it is a sure crop and immensely productive. Skin thin and meat thick; seed cavity small. May be used at any stage of growth. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**COLVIN'S ORANGE MARROW**—The skin has the appearance of a rough, dark colored orange. In flavor it is fully up to the Hubbard. Pie bakers take it in preference to any other. It is ready for market very early, and if the early squashes are picked the vines keep bearing until frost. Well ripened squashes weighing fifteen pounds have been grown in eight weeks. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**CANADA WINTER CROOKNECK**—A well-known kind sure to produce a crop, its strong growing vines suffering less from insects than many other sorts. Neck long and solid; yields well; excellent for pies; good for feeding stock. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.

**MARBLEHEAD**—This squash resembles the Hubbard, but is a little more elongated. Shell is an attractive light blue. Its combination of sweetness, dryness and delicious flavor is remarkable. Yields equal to the Hubbard, and its keeping qualities are said to be better. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.

**BRAZIL SUGAR**—Claimed to be the richest flavored and sweetest of all. It is liked for table use in every stage of its growth; productive; weight from two to four pounds; the skin is a beautiful canary color, and handsomely warted. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 85c.



# Livingston's Tomatoes.

THE FAME OF THE VARIETIES ORIGINATING WITH AND INTRODUCED BY US HAS EXTENDED TO EVERY COUNTRY ON THE FACE OF THE GLOBE WHERE THE TOMATO CAN BE GROWN.

Our first Tomato, "THE PARAGON," was introduced in 1870, after growing it for five years on our gardens and being brought to a high state of perfection. It was the first smooth red tomato ever sent out. In 1875 the first perfectly smooth purple tomato was introduced by us, being called "THE ACME." Since 1875 we have introduced ten of the best standard and distinct varieties ever brought before the tomato growers of the world. They are the "PERFECTION," in 1880, a fine red tomato; the "GOLDEN QUEEN," in 1882, universally admitted to be the best yellow tomato in cultivation; the "FAVORITE," in 1883, a splendid red variety; in 1886 we first brought out the "BEAUTY," which has since then gained great popularity wherever it has gone as a grand purple variety; then, in 1887, the "POTATO LEAF," a distinct variety especially suited to a very warm climate. In 1891 the "STONE," a very solid, fine large red variety, and in 1892 the "NEW ROYAL RED," which is rapidly gaining in popularity, and the "GOLD BALL," a small round smooth yellow tomato prized for its excellent flavor. For this year, 1893, we bring out the "BUCKEYE STATE" and "ARISTOCRAT" to make their first public appearance, and we are sure that the "BUCKEYE STATE," as a large, smooth prolific purple tomato, will find a place among the growers and will be an honor to the list of LIVINGSTON'S TOMATOES, as will also the "ARISTOCRAT," as a splendid red dwarf bush sort.

Below will be found a fuller description of these twelve splendid varieties, with a list of other deserving sorts.

**CAUTION.** TO BE SURE of seed grown by us, INSIST on having it in packages bearing our **TRUE BLUE SEAL**, for there are large quantities saved annually from the refuse of canning factories and sold as Livingston's. This spurious seed can be secured from the jobber at less than half what it costs us to grow and properly cure our high grade stock.

THE SEED WE OFFER BELOW WAS SAVED BY OURSELVES PERSONALLY, from choice selected fruits of true original type, and can not fail to please the most critical grower. Prices include postage.

**TOMATO CULTURE.** For very early fruit the seed should be sown in a hot-bed about the first week in March, in drills five inches apart and half an inch deep. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or a flower pot, and placing in a sunny window in the house. When the plants are about three or four inches high they should be set out four or five inches apart, in another hot-bed or cold frame, or removed into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden, and about the middle of May the plants may be set in the open ground, at a distance of four or five feet each way. Water freely at the time of transplanting, and shelter from the sun a few days, until the plants are established. Cultivate thoroughly as long as the vines will permit. Tomatoes will admit of training to stakes or trellises of various kinds, and the fruit is very much improved, not only in appearance but in quality. This mode of cultivation is quite common among gardeners who grow for early market. The usual method is to set one strong plant to a stake, using stakes 5 to 7 feet high, tying the plants up with wool or other strong, soft twine, pruning out quite freely as the vines advance in growth. By adopting this method the plants may be set much closer than in the ordinary way.

For fine, large specimens of high color and attractive appearance generally, grow the clusters of fruit in paper sacks, as is commonly practiced by grapegrowers. The sacks should be put on when the tomatoes are about three-fourths grown. One ounce of seed produces usually about 1,500 plants.

Riches Corners, N. Y. (April 6, 1892)—"I raised your STONE TOMATO last year and it surpasses all others in smoothness, color, weight and flavor. I had several other highly recommended varieties, but the STONE was 'A No. 1.' Have been pleased with all seeds received from you."—MRS. H. D.



From RURAL NEW YORKER. Copyrighted 1892, LIVINGSTON'S STONE TOMATO.

## LIVINGSTON'S NEW STONE.

(Introduced by us in 1891.)

This new tomato has already obtained great favor with canners, southern growers and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is red; shape, perfectly smooth, and thicker from stem to blossom end than most varieties, making it very handsome and salable. We sold thousands of packets last season, and it was offered by all the principal seedsmen of the country in their catalogues, but we have not heard from a single buyer who had the least fault to find, while every mail brings us testimonials to its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its many superior merits. **PRICE, (postpaid)**—Pkt., 10c.; oz., 40c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.75

## LIVINGSTON'S FAVORITE.

(Introduced by us in 1883.)

The CANNER'S FAVORITE and one of the **BEST AND LARGEST PERFECT SHAPED RED TOMATOES** in CULTIVATION. Jealous competitors have renamed this sort until its names are legion; however this speaks high praise for the variety, if not for the guilty competitor. Ripens evenly and as early as any other good red sort, holding its size to the end of the season; free from cracks and does not rot at blossom end; very prolific, good flavor, few seeds, flesh solid, bears shipping long distances. It is used almost exclusively in the extensive cannery sections of Maryland, and is, without doubt, more generally grown for the canners trade than any other variety. We grow thousands of pounds annually to supply this demand.

**PRICE, (postpaid)**—Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.



## New Tomatoes FOR 1893.

### LIVINGSTON'S BUCKEYE STATE,

### LIVINGSTON'S ARISTOCRAT,

### LIVINGSTON'S (1892) ROYAL RED.

SEE NOVELTY LIST.

## LIVINGSTON'S NEW BEAUTY.

(Introduced by us in 1886). A decided favorite for either home market or shipping purposes, and contains more of the ESSENTIAL POINTS than any other one variety, being early, hardy, a strong grower, productive, large size, always smooth, flesh solid, and of excellent quality. The color is quite distinct from any other sort, being a very glossy crimson with a slight tinge of purple. It grows in clusters of four or five large fruits, retaining its large size late in the season. This is an essential point in its favor, as many other good sorts decrease in size at least one-half before the season is over. It ripens with the Acme and Perfection, is entirely free from ribbed and elongated fruit, being perfect in shape. During the past eight years, under varied circumstances and on different classes of soil, it has shown no signs of rotting. This is partially on account of its firmness, besides having a thick skin and few seeds. It seldom cracks after a rain like many of the thin-skinned sorts. For shipping and early market it can not be excelled, on account of solidity, toughness of skin, and especially on account of its handsome color; it can be picked quite green, will look well and ripen up nicely, and keep for a week after it is ripe, hence a great favorite with Florida and other long distance shippers.

PRICE. (postpaid)—Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 80c.; lb., \$3.00.

## LIVINGSTON'S POTATO LEAF.

(Introduced by us in 1887.) A new and distinct variety and superior to all other potato-leaved sorts in the market. The 'Leaf' resembles the Mikado or Turner Hybrid, but the fruit is always smooth, medium large, very firm and of desirable quality. It is second early, is everbearing until killed by frost, and it takes a pretty sharp frost or two before the fruit is injured, being protected by the thick, broad leaves. It has a strong vine, and resists the wind remarkably well; an excellent variety for growing on trellises or tying up to stakes. ESPECIALLY ADAPTED FOR HOT CLIMATES, the leaves protecting the fruit from the scorching rays of the sun.

PRICE. (postpaid)—Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75

## LIVINGSTON'S GOLD BALL.

(Introduced by us in 1892). Offered for the first time last season. It is a round golden yellow variety and no other sort, except Livingston's Golden Queen, can approach it in quality. The flesh is thick and of extra good quality; large enough to slice; smooth as an apple and of a handsome gold color; grows in clusters; produces enormous crops. No matter if you are prejudiced against a yellow sort we are sure this will please you. TRY IT. PRICE. (postpaid)—Pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.75



LIVINGSTON'S PERFECTION.

## LIVINGSTON'S GOLDEN QUEEN.

(Introduced by us in 1882). A real good yellow sort of first-class quality, and its superior flavor has brought it into general favor as a table fruit. It is solid, smooth, entirely free from ridges, large in size, ripens up early, and is a very handsome sort; in fact, by far the most beautiful yellow variety ever sent out; the larger and riper fruits are frequently tinged with red at the blossom end. None excel it for eating raw or slicing. The handsome golden-yellow slices make a beautiful contrast in a dish with red sorts. It has very little acid and the quality is excellent. Makes beautiful preserves.

PRICE. (postpaid)—Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75

## LIVINGSTON'S PARAGON.

(Introduced by us in 1870). This was our first introduction, and, although it is twenty-three years since it was offered, we have kept it up to its original standard, and it has to-day the preference in many localities. Many gardeners, canners and catsup makers will have no other. It is a very large sized variety, larger than several of the standard kinds cultivated. An immense cropper. The flesh is solid, well colored and flavored. In time of ripening it comes between the early and late varieties, grows vigorous and has a distinct heavy foliage, and no variety holds its size better late in the season. Color of skin, deep red.

PRICE. (postpaid)—Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75

3 PACKETS 25 Cents FOR ONE OR MORE KINDS QUOTED  
AT 10c. PER PACKET.  
7 " 50 Cents LIVINGSTON'S  
15 " \$1.00 TOMATOES.



LIVINGSTON'S BEAUTY TOMATO.

## LIVINGSTON'S EARLY ACME.

(Introduced by us in 1875). THE EARLIEST REAL GOOD TOMATO, especially for market gardeners' use, and no variety is so well known and generally cultivated throughout the United States, both for early and main crops. The plants are of strong and vigorous growth, very productive; fruit of medium size, perfect form, round, slightly depressed at the ends, very smooth. (NEVER ROUGH); color, a glossy red, with purplish tinge; ripens all over and through at the same time; a decided favorite the country over.

PRICE. (postpaid)—Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75

## LIVINGSTON'S PERFECTION.

(Introduced by us in 1880). An improved Acme with RED SKIN; somewhat larger, fully as early, has more solid flesh and fewer seeds, and produces more and larger fruit at the close of the season; invariably smooth and of a handsome blood-red color. All who have tried it pronounce it of the highest quality. Some canners prefer it to all others, especially those who can the tomato whole.

PRICE. (postpaid)—Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75



Winter Haven, Fla. (Sept. 3, 1892)—"I planted forty acres of your BEAUTY Tomato seed last season, and I was very much pleased with the fruit. I shall want 25 lbs. of the same for next season. Please book my order for that amount."—J. R. D.



LIVINGSTON'S GOLDEN QUEEN.

Clinton, Miss. (Aug. 12, '92)—"I prefer LIVINGSTON'S BEAUTY to the Stone for shipping, because it is just the correct shape for packing in a shipping crate."—W. L. R.

Ft. Pierce, Fla. (Nov. 3, '92)—"Tomato seeds came to hand in good order; they are the most vigorous I ever planted."—C. M. N.

## DWARF CHAMPION.

This very distinct variety (*introduced in 1886*) has already become well and favorably known on both sides of the Atlantic. It originated with, or rather a 'sport' plant of it was first found in a field of Livingston's Acme grown by our neighbor, Mr. F. E. Blake, in an adjoining county. Many prefer it to all others for forcing in vegetable houses. Is dwarf and compact in growth, the plants growing stiff and upright, with thick-jointed stems and foliage unlike any other, and of an unusually dark green color, thick and corrugated. So compact are the plants that they can be planted as close as three feet. Heavy manuring, instead of producing a superabundant growth of vine (as in many varieties) increases the yield and the size of the fruit. In form and color they resemble the Acme—smooth and symmetrical in shape, ripening close around the stem. It matures the fruit ready to market as early as July 1st. It is very productive, the fruit is medium large and frequently crowded close together on the branches for the length of fifteen inches. WE USE THE SAME CARE IN GROWING THE SEED OF THIS, THAT WE DO WITH OUR OWN VARIETIES. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

## PONDEROSA—(No. 400.)

In growing it the past season we found it of immense size, solid, almost seedless, and of good sub-acid flavor. The single fruits were large, but somewhat scattered on the vine, and did not yield near so much as our Beauty. Quite a large percentage of the fruits were too rough to please growers of the strictly smooth kinds, especially for large growers to use as a main crop. When ripe we found it quite apt to remain somewhat green about the stem end. Packet, 10 cts.

**ATLANTIC PRIZE**—One of the EARLIEST OF ALL; not only ripens its FIRST FRUITS but a LARGE PROPORTION of the crop earlier than any other sort; valuable to all with whom EARLINESS is an object. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**ESSEX HYBRID**—A splendid variety similar to the Acme in color and many other good points. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.25.

**MIKADO, or TURNER'S HYBRID**—Color, a purplish-red; quality good when well ripened; foliage distinct; has become quite popular in some localities on account of its immense size; generally quite smooth, but always some rough ones. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**TROPHY**—Fruit very large and generally smooth; solid, good flavor and very productive. Choice, selected seed, as good as it can be grown. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

## HUSK, OR STRAWBERRY.

This distinct husk enveloped Tomato is unequalled for canning, preserving and pies. Dried in sugar, as raisins or figs, or to use in fruit cake, they are unexcelled. They are handsome in color, and will keep until mid-winter or longer. They have a strawberry flavor, and produce fruit in great abundance. Aside from being a great curiosity, and very attractive, they sell first-rate in market and are rapidly becoming very popular.

**COLDEN HUSK**—Fruit a handsome golden color, the size of large cherries; much esteemed by many to eat from the hand; makes an excellent pie. The receipt for making the pie will be on the packet containing seed. Pkt., 5c.;  $\frac{1}{2}$  oz., 25c.; oz., 35c.

**PURPLE HUSK**—This new and beautiful variety produces fruit in great abundance, from one to two inches in diameter enveloped with a husk. Pkt., 5c.;  $\frac{1}{2}$  oz., 20c.; oz., 35c.



A HUSK TOMATO.



A CLUSTER.

A PEACH TOMATO.

**Red Currant, Red Cherry, Yellow Cherry, Yellow Plum, Red Pear Shape.** EXCELLENT FOR PICKLES, PRESERVES AND PIES. Price of variety—Pkt., 5c.; oz., 30c.

We can supply **Mayflower, Red Queen, Lorillard, Hathaway's Extra, Volunteer, Carnival**, at the uniform price of 5c. per pkt., 20c. per oz., 60c. per 4 ozs., \$2.00 per lb.; Also MANY OTHER VARIETIES OF TOMATOES at customary prices.

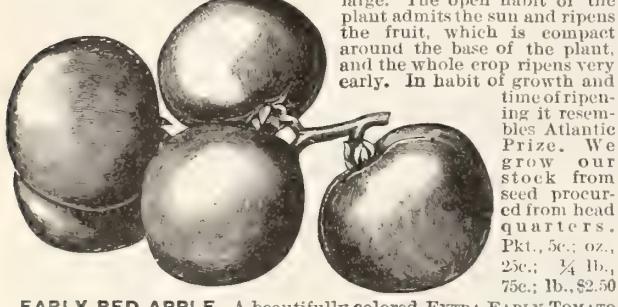
The T. A. Snider Preserve Co., Manufacturers of the Famous Snider Tomato Soups and Catsups, Cincinnati, O. (Jan. 21, '92), writes: "Your favor of 18th inst. has been received. We freely give permission to use our name to a suitable testimonial for your annual. Word the same according to your own ideas, as we assure you that our seed has given us entire satisfaction.



DWARF CHAMPION.

**ICNOTUM**—A good red Tomato, not especially distinct from several of the leading large red varieties; solid, productive; bright red; vines grow stocky; dark green leaves. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.25.

**EARLY RUBY**—A REAL EARLY VARIETY. A single plant of it was first observed in a field of Livingston's Perfection. The fruit, although not quite so smooth, ripens much earlier than Perfection and is nearly as large. The open habit of the plant admits the sun and ripens the fruit, which is compact around the base of the plant, and the whole crop ripens very early. In habit of growth and time of ripening it resembles Atlantic Prize. We grow our stock from seed procured from head quarters. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.



**EARLY RED APPLE**—A beautifully colored EXTRA EARLY TOMATO of fine quality. Medium size and very uniform. Every grower should give this real early sort a trial. This is distinctly superior to the ordinary stock sold under this name. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**CANADA VICTOR**—Very early; productive; flesh scarlet; round, smooth, of medium size, solid, and ripens up well; a very popular variety. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.25.

**ADVANCE**—An extra early seedling from Alpha and Perfection; has ripened in 90 days; fruit smooth and round, no green core; skin smooth; very prolific; color usually red, but inclined to sport. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.75.

**EARLY CONQUEROR**—Very early and good only for very early use; bears in large clusters, medium in size, irregular, flattened; color, scarlet. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.25.

**NEW PEACH TOMATO**—This striking and excellent Tomato resembles some varieties of peaches so closely in size, shape, color and general appearance that it is frequently taken for a real peach. It seems to have the very bloom or furze of the peach upon its surface. In color deep rose blended with orange amber. It is productive, comes quite early, lasts until frost, and has never shown any signs of rotting. Its equal in delicacy of flavor does not exist in the tomato family. The skin is thin, and peels off like that of a peach. It is very ornamental for table decoration or exhibition purposes. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.

**NEW GOLDEN PEACH TOMATO**—Differs from the above in color only, being of a rich golden color and having the bloom or furze of a peach upon its surface. Pkt. 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.



CHERRY.

PLUM OR PEAR.

RED CurrANT.

# TURNIP.

For the spring crop sow the Extra Early Milan or the Early Flat Dutch in 14 inch drills, and thin to six inches. For the fall and main crop from the middle July to the possible. The success of the crop depends upon a quick growth, especially in the start. **One pound is sufficient to sow an acre.**

**EARLY WHITE EGG**—An egg-shaped variety, for spring or fall sowing, flesh white, firm, fine-grained, mild and sweet. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 60c.

**PURPLE TOP WHITE CLOBE**—A variety of decided merit. Of globular shape, very handsome, and of superior quality, either for the table or stock. It is a heavy producer, early, of rapid growth, and an excellent keeper. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**YELLOW CLOBE, OR AMBER**—One of the best for a general crop; flesh firm and sweet, grows to a large size, excellent for table use or stock, and keeps well until late in the spring. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**YELLOW STONE**—One of the best yellow fleshed varieties for table use; equally good for feeding stock. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

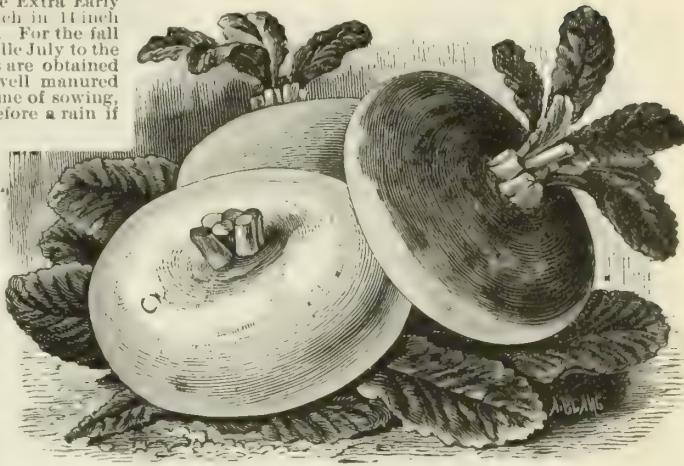
**GOLDEN BALL, OR ORANGE JELLY**—A rapid grower, of excellent flavor, globe-shaped, bright yellow color, good keeper, and a superior table variety, or for stock. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**LONG WHITE, OR COW HORN**—Grows very quickly, partly above ground; very productive, flesh white, fine-grained and sweet, of excellent quality for family and market gardeners' use. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**EXTRA EARLY MILAN**—A new early very white variety, with purple top and strap leaf. Mild and sweet; remains in good condition for a long time. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**EARLY FLAT DUTCH (or White Top Strap-Leaved)**—Standard variety; good size, pure white, small top, with but few leaves; very sweet. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 45c.

**PURPLE TOP STRAP-LEAVED**—The well-known popular variety, either for family or market use; large size, white, purple above ground, flesh fine-grained. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 45c.



EARLY WHITE FLAT DUTCH.

PURPLE TOP STRAP LEAF.

## RUTA BAGA VARIETIES.

The Ruta Baga varieties should be sown a month earlier than turnips as they require longer to mature.

**IMPROVED AMERICAN (Purple-Top)**—Very hardy and productive; flesh yellow, solid, sweet; good for stock or table use. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**SKIRVING'S PURPLE-TOP**—A first-rate variety; grows large and and a good keeper. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.; 10 lbs., \$4.50.

**WHITE RUSSIAN (or Large White Ruta Baga)**—Grows very large; excellent for table or stock. Flesh firm, white and solid; has a very rich and sweet flavor. The best keeper of any. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**LONG ISLAND IMPROVED PURPLE-TOP**—This is undoubtedly the finest variety of purple-top Ruta Baga, and is twice the size of ordinary stocks. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

## SPECIAL PRICES ON BULK BEANS AND PEAS.

FOR MARKET GARDENERS AND OTHER LARGE BUYERS.

Below we quote Special Low Prices on Beans and Peas by the quart, peck and bushel. At these prices we make NO CHARGE FOR BAGS, and deliver to express or freight office—the purchaser to pay transportation charges upon receipt of goods. **No discounts** offered elsewhere in this catalogue can be deducted from the prices given. The Wax Bean crop is very short this season, which accounts for the seeming high prices.

### BEANS—DWARF, BUSH OR SNAP. SEE PAGES 18, 19.

	Qt.	4 Qts.	Peck.	Bus.
Golden Wax and Kidney Wax, each.....	30	\$1.00	\$1.75	\$6.50
Black Eyed Wax and Golden Eyed Wax, each.....	30	1.00	1.75	6.00
Scarlet and Violet Flageolet Wax, each.....	30	1.00	1.75	6.75
Early Mohawk and Yellow Six Weeks, each.....	20	75	1.25	4.50
Best of all Dwarfs and Ex. E'y Refugee, each.....	25	80	1.35	5.00
Extra Early Red Speckled Valentine.....	25	80	1.35	5.00
Henderson's Dwarf Lima.....	35	1.25	2.00	7.75
Livingston's Round Pod Six Weeks.....	25	80	1.30	4.50
Prolific Tree and White Kidney, each.....	20	60	1.10	4.00
Marrowfats, Navy and Mediums, each.....	20	60	1.10	4.00

	Qt. 4 Qts. Peck. Bus.
King of the Garden Lima.....	35 1.25 2.25 8.00
Mammoth Kidney-Shaped Lima.....	35 1.25 2.25 8.00

### PEAS. SEE PAGES 42 TO 44.

Livingston's First in Market.....	22	75	\$1.25	\$1.50
Improved Dan'l O'Rourke.....	20	60	1.00	3.50
New Aliska.....	25	70	1.25	4.50
American Wonder (True Stock).....	25	80	1.50	5.50
McLean's Little Gem.....	20	75	1.35	4.50
Extra Early Premium Gem.....	20	75	1.25	4.50
Bliss's Abundance.....	20	75	1.25	4.50
Champion of England.....	20	60	1.00	3.50
Yorkshire Hero.....	20	75	1.25	4.25
Pride of the Market.....	25	80	1.50	5.50
First and Best, Landreth's Extra Early.....	20	60	1.00	3.75
Advance and Market Garden, each.....	25	80	1.50	5.50
Stratagem and Telephone.....	25	80	1.50	5.50
American Champion.....	25	90	1.65	6.50
Dwarf Blue Imperial.....	20	60	1.00	3.75
Royal Dwarf White and Black Eyed Marrowfat.....	15	50	2.75	2.75
Dwarf Sugar, Edible Pods, and Tall Sugar.....	25	90	1.75	6.50

### BEANS POLE OR CLIMBING. SEE PAGE 20.

Early Golden Cluster Wax.....	35	1.25	2.25	8.00
White Creaseback or Best of All Pole Beans.....	20	1.10	2.00	7.00
Horticultural or Speckled Cranberry.....	30	1.10	2.00	7.00
Large White Lima.....	30	1.10	2.00	7.50
Small Lima, Carolina, Sieva or Sewee.....	25	90	1.75	6.50
Deer's Improved or Challenger Lima.....	35	1.25	2.25	8.00
Extra Early Lima (Jersey).....	30	1.10	2.00	7.50

### PLANTS.

Transplanted, except where otherwise noted. Sent only by Express, not by Mail. No order shipped under \$1.00. These plants are grown expressly for us from our best seeds, by an experienced plant grower and market gardener, and can be shipped fresh from the beds and well packed on short notice.

### EARLY CABBAGE—(Ready April 1.)

	50	1' 0	1,000
Extra Early Wakefield and Sure Head.....	50	75	\$4.50
Henderson's Early Summer and Succession.....	50	75	4.50

### LOW PRICES ON 5,000 and 10,000 LOTS

### SWEET POTATO—Ready May 10.)

	50	100	1,000
Yellow Nansemond (Jersey).....	20	35	\$2.60

### TOMATO—(Ready May 10.)

	Doz.	50	100
Livingston's Acme, Beauty and Potato Leaf.....	20	60	1.00
Favorite, Perfection and Paragon.....	20	60	1.00
Stone, Golden Queen and Royal Red.....	25	65	1.10

### Dwarf Champion.....

	25	60	1.10
Sweet Mountain and Mammoth Ruby King.....	20	60	1.00

### PEPPER—(Ready May 10.)

	25	7	1.25
Large New York Purple.....	25	7	1.25

### CELERY—(Early Crown Plants; Ready June 1.)

Dwarf Golden Heart and White Plume.....	40	75	—
Golden Self Blanching and Giant Pascal.....	50	90	—

### CELERY—(Late Crown Plants, Not Transplanted; Ready June 20.)

Dwarf Golden Heart and Golden Self-Blanching.....	25	40	3.00
White Plume, New Rose and Giant Pascal.....	25	40	3.00

## SEED POTATOES. NORTHERN GROWN.



MORNING STAR POTATO.

buyer pays the freight or express charges. Our BARRELS contain not less than  $2\frac{1}{4}$  bushels by weight (165 pounds net).

**POTATOES BY MAIL**—Postpaid, Sample Tubers, medium size, 10c.; Single Pound, 30c.; Three Pounds of one kind for 75c.; Six Pounds of one or two kinds, \$1.25.

**FREE**

- (1) **POTATO KNIFE**—Any purchaser of a barrel or more of Potatoes at the prices quoted may order a **Concave Potato Knife**, and it will be sent with the potatoes **FREE OF CHARGE**. Price, by mail, postpaid, 30c.
- (2) **POTATO BOOK**—Any person who would not wish the *Potato Knife* can have "TERRY'S A B C OF POTATO CULTURE," an excellent work by this noted Potatoist on the culture of the Potato. Price, 40c., postpaid.
- (3) **NEW POTATO**—Or one Pound of a new unnamed Extra Early Seedling Potato (No. 177.) Not for sale at any price.

### POTATO EYES by mail, postpaid.

This plan Saves our Customers Money.

We guarantee the safe arrival of each package in good growing condition. Postpaid to any post-office in the United States.

### EARLY POTATO EYE COLLECTION.

160 EYES.  
ALL FOR  
ONE DOLLAR.  
\$1.00.  
40 EYES OF EXTRA EARLY SIX WEEKS.  
EYES OF EARLY NEBULA.  
EYES OF PARIS ROSE.  
EYES OF EARLY TRIUMPH.

FOR \$1.75 Two Full Collections, one of each, if desired, will be sent POSTPAID.  
FOR \$2.00 Two Full Collections, one of each, if desired, and 40 Eyes of the new Freeman Potato will be sent POSTPAID



**OHIO JUNIOR.** Closely resembling its parent, the Early Ohio, but is rather rounder and of excellent quality. Peck, 50 cts.; bus., \$1.50; bbl., \$4.00.

**BLISS' TRIUMPH, OR IMPROVED BERMUDA POTATO.** This beautiful variety combines the wonderful qualities of the Early Rose; is more productive, and matures its crop at least a week in advance of the Early Rose. Tubers are of medium size, round and uniform in shape, with very few small ones; eyes slightly depressed; color a beautiful light red; flesh fine grained, excellent flavor. The tubers grow compactly in the hill and are easily harvested. It is an excellent keeper, not inclined to sprout early. Its great beauty, productiveness and fine quality will make it one of the best for market. It is now being planted on the Island of Bermuda to the exclusion of nearly all others, having supplanted almost entirely the old Bermuda potato. It has also become quite popular in some sections of the South.

**MICHIGAN CROWN**—Peck, 50 cts.; bus., \$1.50; bbl., \$4.00.

**W**ITH no other seed is the importance of choosing more essential than with the Potato. By using our Northern Grown Seed you are assured of **EARLY MATURITY, INCREASED YIELD, and a VIGOROUS GROWTH**. Our stock (as usual) has been grown from selected seed, and expressly for seed purposes. Our grower in Michigan is a potato specialist, and has grown for us exclusively for a number of years. Our largely increased potato trade during this period is the result mostly of his painstaking care and his general knowledge in growing and selecting the seed stock with which to grow the crop. No weeds, or bugs either, thrive in his potato fields. To grow healthy stock he insists on having first-class potato land, nothing but pure, well matured, good sized seed, perfect foliage, careful handling while digging and barreling that they may not be bruised or otherwise injured.

We book orders at any time, and fill them in rotation just as soon, in our judgment, as the weather will permit. However, we cannot become responsible for changes in the weather by which they may become damaged en-route. We will ship at any time when requested to do so, regardless of the weather, but customers in this case must take the risk. When customers request it, we will pack a barrel with two or three kinds without extra charge. When ordering late, please state whether we shall return the money or send some other good kind of equal value, providing we cannot supply the sort you order. All transportation charges must be paid by the buyer. State how to send. **Prices subject to variations of the market.**

**POTATOES BY FREIGHT OR EXPRESS**—At Barrel, Bushel and Peck Prices the

**A GOOD INVESTMENT.** This will enable farmers and others living at a great distance from our store to test some of our best varieties at a trifling cost. A collection of 160 eyes, under favorable circumstances, should produce at least ten to fifteen bushels of fine potatoes, which is certainly good returns for a dollar outlay.

### MAIN CROP POTATO EYE COLLECTION

40 EYES OF BILL NYE.  
EYES OF RURAL No. 2.  
EYES OF MORNING STAR.  
EYES OF SENECA BEAUTY.

160 EYES.  
ALL FOR  
ONE DOLLAR.  
\$1.00.

### EXTRA EARLY OHIO POTATO.

This earliest of all early varieties justly belongs at the head of the list of extra early potatoes, because no other variety will **MATURE** as early. Some very good early sorts will give eatable size potatoes about as early but their tops will be green for days after Early Ohio have died. It is two weeks ahead of the Early Rose and is a special favorite with marketmen, and the most profitable potato they can possibly grow. The sprout is very strong and the vine grows erect, making it easy to cultivate, and on account of its early maturity, you get the high prices and have the land for other crops. It does well on any soil suitable for potatoes. The tubers grow compact in the hill, are easily dug, very few small ones, nearly every one being of marketable size, few eyes, which are even with the surface. They keep firm until late in the spring. Southern growers plant this variety almost exclusively for early shipment north. With heavy manuring, close planting and good culture, a very large and profitable crop can be expected. One grower near this city has grown 10 to 15 acres for several years past, and the yield has been from 300 to 500 bushels per acre annually.

This is our specialty in standard varieties and we have for years taken great pains to keep the stock pure and up to its original standard. Our trade in it has doubled every year for the last ten years.

**Michigan Crown Stock**—Peck, 50 cts.; Bus., \$1.50; Bbl., \$1.00; 3 Bbls., \$11.00.

**Ohio Crown Stock**—Peck, 40 cts.; Bus., \$1.40; Bbl., \$3.50; 3 Bbls., \$10.00.

**SPECIAL PRICES FOR LARGER QUANTITIES** said to be more productive. A good keeper

## EXTRA EARLY SIX WEEKS.

surface; tubers close together in the hill. The potatoes begin to form when the vines are very small and grow so rapidly, that, under favorable circumstances, they are as large as hen's eggs, and therefore fit for family use *in six weeks from time of planting*, and mature in between 10 and 11 weeks. We find them good yielders, and though not so extraordinarily productive as some claim, still remarkably good croppers for so early a sort. The vines are very healthy, and being also very early, they are not injured so much by the potato bug as most sorts. We pronounce them in short "New Blood" EARLY OHIO's and worth the attention of every potato grower. Our stock is Michigan grown and quite limited. Peck, 60c. bushel, \$1.75; barrel, \$4.75.

## SENECA BEAUTY

SENECA BEAUTY  
POTATO.

INTRODUCED BY US IN 1889.

## RURAL NEW YORKER, No. 2.

This, the best intermediate and main crop potato, originated on the experimental grounds of the *Rural New Yorker*, where more than 500 varieties have been tested practical-  
ly during the past twelve years. It is most distinct in appearance and could readily be distinguished among a hundred other varieties. Very large and unusually smooth with few and shallow eyes, in form oblong, inclined to round and flesh white; of superior quality. The vines are very strong and the yield of handsome tubers of great uniformity of size is unusually large. Peck, 50c.; bus., \$1.60; bbl., \$4.50.

## PRIDE OF IRELAND.

A new late seedling, a very good keeper, and cooks well. Skin is very white, with a sort of light russetty netting; the flesh is white and of good quality. It cannot fail to satisfy the grower who wants a heavy yielder, big potatoes and no small ones worth mentioning. We pronounce it the handsomest and largest white skinned potato that has been offered for many years. Peck, 50c.; bus., \$1.60; bbl., \$4.50.

Bloomington, Alabama, (July 13, '92.) "The *Early Ohio Potatoes* gave me satisfaction. I had them on market ten days earlier than any other." —J. F. P.

Hope, Ind., (Oct. 10, '92.) "The Sample Potatoes were all planted on the 5th day of May, sixty-three days from the day I planted them I dug the Bliss's Triumph and Pride of Ireland. Thirty-eight lbs. from seven eyes of Bliss's and 12 lbs. from eleven eyes of Pride of Ireland. These two are the grandest potatoes in cultivation."

Evidently a seedling of Early Ohio, which it very closely resembles in every way. The introducer claims it is earlier, makes rather taller stalks and appears to yield better on upland than that fine variety." It grows to large medium size oblong to round in shape; skin light pink; flesh white; shape smooth; eyes near the surface and few; vines rank, uniform in size and shape, scarcely any small ones.

A heavy cropper. Michigan Grown Stock Peck, 50c.; bus. \$1.40; bbl. \$3.50; 3 bbls. \$10.00. SPECIAL PRICES FOR LARGER QUANTITIES.

PARIS ROSE (New) — Very early, oblong, oval, skin light rose color, netted, eyes plenty, nearly even with the surface, size medium to large, quality excellent. We have tested it for two years and find it a good grower and prolific. Tested with ordinary "Early Rose" it yielded three times as many. Peck, 40c.; bus., \$1.40; bbl., \$3.75.

We can supply the well-known **Early Rose**, **Green Mountain**, **Potentate**, **Monroe Seedling**, **Koshkonong**, **Morning Star**, while our present stock lasts @ 50c. peck; \$1.40; \$3.75 bbl.

OTHER VARIETIES. We can usually furnish many other varieties, not quoted here, at customary prices. Write for prices of kinds wanted, also SPECIAL PRICE on large quantities of above varieties.

PRIDE  
OF  
IRELAND  
INTRODUCED  
BY US IN 1891.

## BILL NYE POTATO.

This is a valuable new white kidney-shaped variety. It is very smooth and handsome; eyes unusually shallow for a late potato. A vigorous grower, of first-class quality; an enormous cropper. Tubers compact in the hill and easily dug. They are the longest keepers we have ever seen. Have been kept in an ordinary cellar temperature until July following without sprouting.

Peck, 40c.; bus., \$1.25; bbl., \$3.50; 3 bbls., \$10.00.

SPECIAL PRICES IN QUANTITY WILL BE GIVEN ON REQUEST.

### POTATO SEED.



SEED.

We offer a very choice strain of POTATO SEED, the product of numerous hybridizations between many of the best new and old varieties in cultivation. We frequently purchase promising seedlings grown from seed purchased from us. Price (postpaid), 25c. per packet; 5 packets \$1.00. Full directions for planting, cultivation, etc., on each packet.

## SWEET POTATOES.

### JERSEY CROWN SEED.

Specially packed and stored for us, for sprouting purposes, in the State of New Jersey; we find these potatoes much dryer and sweeter than those grown from home seed. We repack before shipping, but take no risk after delivering in good condition to the Express or Railroad Company here. For either **Yellow** or **Red Nansemond** we will book orders up to April 1st at 60c. per peck, \$1.00 for half bushel, \$1.75 per bushel, and \$4.00 per barrel of three bushels.

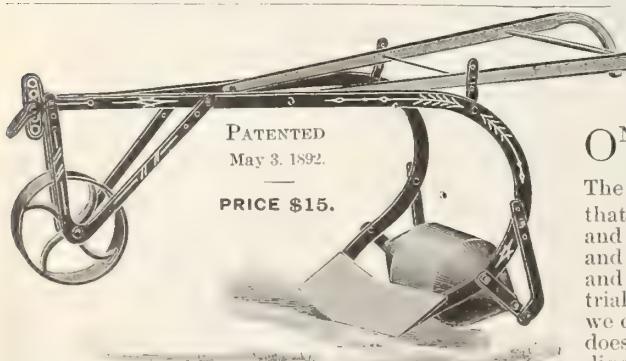
By mail (postpaid)—Well rooted plants or slips, ready May 1st, at 50c. per 100.

We will make SPECIAL PRICES at any time for LARGER QUANTITIES than quoted above.

We can usually supply **Early Carolina**, **Southern Queen** and **Bermuda** ("Yams") at customary prices on application.



Thornville, O. (Dec. 1, '92)—"We used the LIVINGSTON POTATO DIGGER with perfect satisfaction the past season."—HENRY LONG.



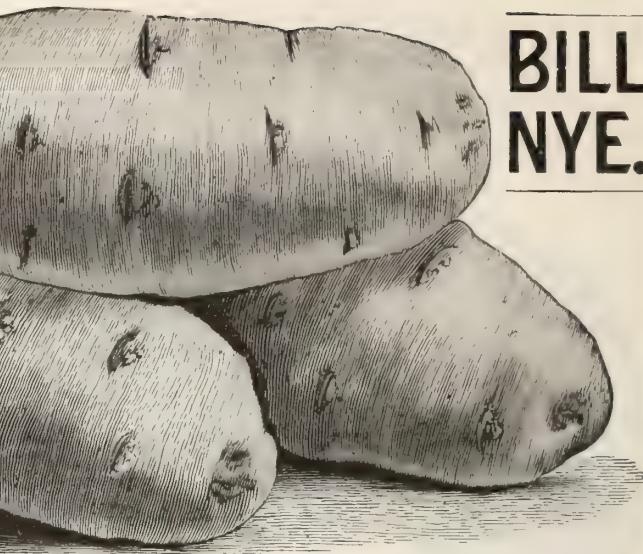
PATENTED  
May 3, 1892.

PRICE \$15.

### WHAT OTHERS HAVE TO SAY OF OUR POTATOES AND SEEDS.

Xenia, O. (May 26, '92)—"The seeds purchased from you invariably give good satisfaction. The packages were well filled and the seed of superior quality. The EXTRA EARLY OHIOS were the finest potatoes I ever saw. Thanks for extras."—R. B. R.

Sidney, Illinois, (March 18, '92)—"We raised nine bushels from one tuber of PRIDE OF IRELAND Potato that my husband got of you last spring. It was a poor year here for potatoes on account of it being so dry. We think they are splendid, and, allow me to say, that the SENECA BEAUTY can't be beat."—Mrs. E. M. H.



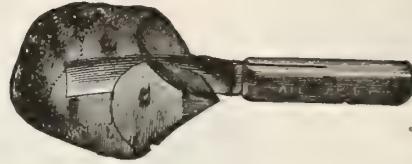
## BILL NYE.

## Aspinwall Potato Planter.

### THE BEST PLANTER IN THE WORLD.

We have sold this planter for four years, and have never sold one but what the customer thought it one of the best investments he had ever made. If you anticipate buying, write for our SPECIAL PRICE.

## CONCAVE AND CURVED SEED POTATO KNIFE.



Everybody is well pleased with this Knife. It is thin, and will cut one, two or three eyes in a piece easier, better and faster than in any other way. Give it a fair trial and if not satisfied it will pay you to cut your potatoes with it, return it to us and we will refund your money.

Price (postpaid), 35c.; by express (not paid), 30c.

## Livingston's Potato Digger.

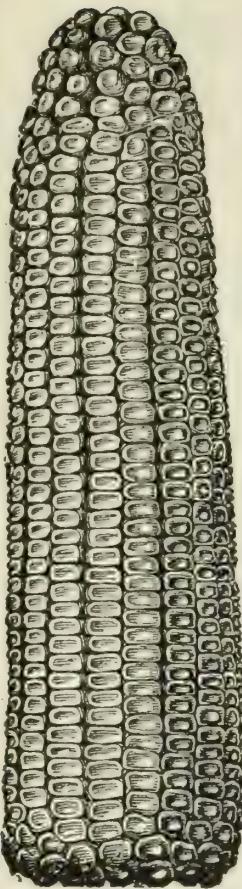
WEIGHT LESS THAN 100 POUNDS.

ONE might well hesitate to introduce a New Potato Digger, since those now in the field have proven so unsatisfactory. The great need of a Potato Digger within the reach of all in price, that leaves all of the potatoes uninjured, on top of the ground, and be as easily operated as a single shovel-plow, led us to invent and patent one which has astonished even ourselves in simplicity and efficiency. Being practical growers, we are, after thorough trial in the field, in various conditions of soil, confident in all that we claim for it. One horse can draw it, but two are better. It does better work and is more easily operated than any other digger. Descriptive Circular Sent free on application.

Mt. Vernon, O. (April 2, 1892)—"Have grown vegetables extensively both for home and market use for many years, and can say, with pleasure, all seeds purchased from you were satisfactory."—C. C. W.

Odgen, O. (Sept. 25, 1892)—"The SENECA BEAUTY Potatoes took the 1st Premium at our County Fair over 48 other varieties."—P. O. J.

Eden, Fla. (June 12, '92)—"The SENECA BEAUTY Potatoes did well. I would like to plant more next winter if I can get them."—W. D. E.



TRUE LEAMING.

# OHIO SEED CORN.

It costs only about 25 CENTS AN ACRE to use our CAREFULLY SELECTED AND TESTED Seed Corn. Is it wise to risk doubtful corn from the crib?

THE varieties of field corn we offer below are the best now in general use. They were grown especially for seed purposes, and were well-matured, cured, and shelled with great care. We test all varieties before sending out, that there may be no doubt as to vitality if properly planted and the weather is favorable.

At the prices here given we make no charge for sacks in shipping. To AVOID DELAY, when ordering late in the season, it would be well to mention your *second choice*, or state whether we shall send a sort adapted to your locality or refund the money, provided we are sold out of your *first choice* at the time your order arrives.

## TRUE YELLOW LEAMING.

An extensively grown, large, yellow dent variety. THE SEED WE OFFER WAS GROWN BY MR. LEAMING. By annual selection for years it has become a fixed and pure variety. It is a pure, glossy yellow, ears low on a strong, heavy stock; grains, square and deep; ripens quite early, frequently maturing in 100 days from planting; it weighs, "struck measure," 60 to 63 lbs. per bushel; will yield on good soil, with proper tillage and favorable seasons, from 75 to 100 bushels per acre. PRICE: By mail (postpaid), sample ear, 20c.; packet, 5c.; quart, 30c. By express or freight (not paid), 6 select ears, 25c.; quart, 15c.; peck, 50c.; bushel, \$1.50; 5 bushels, \$6.75.

## CLARAGE YELLOW.

**Best Second Early. Sure to Ripen.** We make a specialty of this excellent yellow dent variety. It has been grown extensively by farmers in this locality for fifty years, principally on account of its earliness. It ripens between the Pride of the North and Leaming. The ear is nearly as large as the Leaming, and is very uniform in size its full length. It is well filled out at both ends, and husks very easily. It is a rich golden color, very productive, often bearing two good ears on a stock. In favorable season it has ripened here when planted as late as the 1st of July. Highly recommended by the Ohio Experiment Station as ONE OF THE BEST in points of *early maturity and productiveness*. Our sales on this variety increases annually and we sell more of it than all other varieties combined. PRICE: By mail (postpaid), sample ear, 20c.; packet, 5c.; quart, 30c. By express or freight (not paid), 6 select ears, 25c.; quart, 15c.; peck, 50c.; bushel, \$1.50; 5 bushels, \$6.75.

## PRIDE OF THE NORTH

The very earliest yellow dent corn in cultivation. It ripens with the Flint sorts, and can be successfully grown farther north than any other dent. Will ripen in Northern New England. It originated in extreme Northern Iowa ten years ago. Matures perfectly in ninety days, is very hardy and prolific; ears uniform, of good size, cob small, kernels closely set on the cob, and are long and compact. PRICE: By mail (postpaid), sample ear, 20c.; packet, 5c.; quart, 30c. By express or freight (not paid), 6 select ears, 25c.; quart, 15c.; peck, 50c.; bushel, \$1.65; 5 bushels, \$7.00.

## MAMMOTH WHITE DENT.

This is a large cared variety, combining all the good points required in corn growing sections south of the 40th parallel. It has a broad, very deep, pure white kernel and cob—in fact a stray red cob will hardly be found in a thousand bushels; grade, "strictly white" in any market. It is very desirable for white corn meal, and those desiring a large white corn cannot fail to be pleased with it. PRICE: By mail (postpaid), sample ear, 20c.; packet, 5c.; quart, 30c. By express or freight (not paid), 6 select ears, 25c.; quart, 15c.; peck, 50c.; bushel, \$1.65; 5 bushels, \$7.00.

## THE BEST CORN FOR THE SILO.

Mr. Gregory of Massachusetts, says: "Of all the large Southern varieties suitable for the silo, we prefer the Leaming. It is tall and leafy, and the very large ears will mature in Central New England." Of the sweet varieties, Stowell's Evergreen, we consider the best. PRICE: Leaming, peck, 50c.; bushel, \$1.50. Stowell's Evergreen, peck, 75c.; bushel, \$2.75.

## EARLY MASTODON.

A new early Dent variety, originated in Northern Ohio. The ear is very large, and grain deep, and largest of any early dent variety. It grows strong, rank quick, and makes the finest appearing shelled corn, two shades of white and yellow. In the American Agriculturist corn contest of 1889 it outyielded all others, making the wonderful record of 213 bush. shelled corn to the acre. PRICE: By mail (postpaid), sample ear, 25c.; packet, 5c.; quart, 35c. By freight or express (not paid), 6 select ears, 25c.; quart, 15c.; peck, 50c.; bushel, \$1.75; 5 bushels, \$7.50.

## HICKORY KING CORN.

This new white field corn has the largest grains, with the smallest cob of any white corn ever introduced. The stocks are strong and bear two and occasionally three ears. Of good quality, but quite late for northern latitudes. PRICE: By mail (postpaid), packet, 5c.; pint, 20c.; quart, 35c. By express (not paid), quart, 15c.; peck, 60c.; bushel, \$2.00.

## EARLY BUTLER DENT.

Wherever tried it has given perfect satisfaction and has proven itself to be an excellent corn for the farmer of the north and northwest, maturing in 90 to 100 days. Ears good size with long grains and small cob; corn a beautiful golden yellow color. By mail (postpaid), sample ear, 20c.; packet, 5c.; quart, 30c. By express or freight, six ears, 25c.; quart, 15c.; peck, 50c.; bushel, \$1.75.

## EARLY WHITE DAWN.

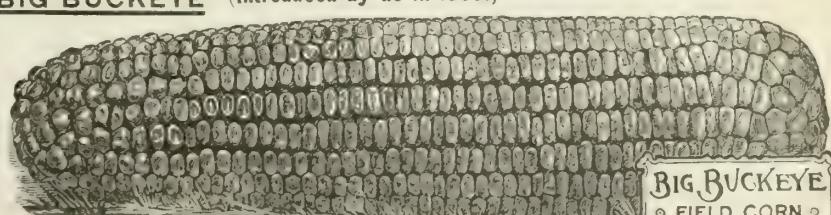
An excellent white dent variety, with bright, solid, glossy white kernel; small red cob; stalks often bear two good ears; grains grow well over tips of cobs, matures in 90 to 100 days. A good yeller and adapted to all corn growing localities. We have sold this variety for many years, and it gives universal satisfaction. It is an excellent variety for clay land, yielding much better on that class of soil than any of the yellow kinds. PRICE: By mail (postpaid), sample ear, 20c.; packet, 5c.; quart, 30c. By express or freight (not paid), 6 select ears, 25c.; quart, 15c.; peck, 50c.; bushel, \$1.60; 5 bushels, \$7.00.

## SWEET CORN FOR FODDER—SEE PAGE 28.

(Introduced by us in 1888.)

POP  
CORN

## BIG BUCKEYE

BIG BUCKEYE  
FIELD CORN

**CHAMPION WHITE PEARL.**—This well and favorably known corn originated in Illinois and is enormously productive, a strong grower, matures in about 100 days. The stalk is stout and thick, and ears are set low. Same price as Mammoth White Dent.

**BRAZILIAN FLOUR CORN.**—A rare variety of Indian corn yielding when ground a flour equal to wheat flour. It grows rapidly, ripens medium early; ears 7 to 9 inches long, a small cob and deep grain. This corn stools from the ground, 6 to 10 stalks from a grain. It should be cultivated same as other field corn. PRICE: By mail (postpaid), Pkt., 5c.; pt. 20c.; qt. 35c. By exp. (not paid), shelled, qt. 15c.; pk. 75c.; bu. \$2.75.

**SURE POP CORN**—A white and full, and is very productive. PRICE: By mail (postpaid), two nice sample ears for 10c.; large packet, 5c.; 1/4 lb., 15c.; 1lb., 25c.; 3 lbs., 60c. By express (not paid), 10 pounds for 60c.; 40 pounds for \$2.00.

**WHITE RICE.**—There is no better or more popular variety for popping purposes; the grain is pointed, pops white and full, and is very productive. PRICE: By mail (postpaid), two nice sample ears for 10c.; large packet, 5c.; 1/4 lb., 15c.; 1lb., 25c.; 3 lbs., 60c. By express (not paid), 10 pounds for 60c.; 40 pounds for \$2.00.

This is one of the very finest large yellow dent corns we have ever seen. It ripens up quite early, and is very seldom caught with the frost in this latitude. In color it is a rich golden yellow, deep grain, ears are large and uniform, filling well over the ends. We are offering this corn on its merits, and believe where it is once known it will be planted year after year. It has been grown for 25 years past in Clark County of this State, where it originated, and has produced as high as 100 bushels per acre. TRY IT. PRICE: By mail (postpaid), sample ear, 20c.; packet, 5c.; qt. 30c. By freight or express (not paid), 6 select ears, 25c.; qt. 15c.; pk. 50c.; bus. \$1.50; 5 bus. \$6.75.

## OATS



GOLDEN GIANT SIDE OATS.

By freight or express, SACKS FREE—pk., \$1.75; 5 bushels, \$4.00.

**AMERICAN BANNER OATS.**—rust-proof as any oat can be, and invariably yields large crops. The grain is large; white and plump, ripens early and has stiff straw of good strength. *Postpaid*, lb., 20c.; 3 lbs., 50c.; pk., 35c.; bus. (32 lbs.), \$1.00; 2 bus., \$1.75; 5 bus., \$4.00.

**SPECIAL OATS PRICES**—On 10 bus, or over of above kinds on application; also prices on various other kinds offered by other seedmen.

**WHEAT**—**SPRING**—Not much spring wheat is grown in this State; some farmers continue to use it, finding it a convenient crop many times. We have a fine article of the best spring variety. Pk., 60c.; bus., \$1.75.

**WINTER WHEAT.**—We have some choice kinds. Those wanting carefully grown seed for fall sowing should write for **SPECIAL WHEAT CIRCULAR**, issued about August 1st. Application for this circular can be made at any time.

## CHOICE SEED

## OATS.

The stock we offer has all been carefully recleaned for seed purposes, and is as fine as can be found. We offer but a few well-established kinds. Many of the so-called new kinds offered at fancy prices under new names, with exaggerated statements, we find are nothing but some old variety well grown in a good northern oats section. Change your seed oats, which is very important, but it is not necessary to pay fabulous prices for seed.

## GOLDEN GIANT SIDE OATS.

WE bring this French variety to the notice of our patrons with full assurance that those who test it will find it by all odds the most profitable and remarkable Oat of recent introduction. The seed we offer has been grown from genuine imported French seed. It has been selected since 1880 and may be recommended with confidence as the *most prolific* in existence. It is a most wonderful hybrid; is extremely hard, makes a strong stool and grows with a vigor and rapidity not equaled by any other sort. The straw, which is heavy and strong, never lodges. The heads are compact and often measure over 12 inches in length. Bulletin No. 7 of Ill. University reports the Giant Yellow French as giving the largest yield of all sorts tried, and the Kentucky Agricultural Experiment Station report of September, '91, contains the statement: "It will be seen that but one variety out of 22 sorts tested yielded above 40 bushels per acre, viz.: 'Golden Giant Size.'" Excites wonder wherever seen and is worthy of extended cultivation. Should be sown early to get the best results. **PRICE:** (*postpaid*), large pk., 10c.; lb., 25c.; 3 1/2 lb., 75c. *By freight or express*, pk., 4c.; bus. (32 lbs.), \$1.25; 2 bus., \$2.25; 5 bus., \$5.00. **SACKS FREE.**

**WELCOME OATS**—This is now a well-known and extensively grown variety, and is one of the heaviest, handsomest and most productive white varieties grown. They stool heavily with extra strong, straight straw, standing well. Succeeds well in a wide range of climate, and under a great variety of soils and methods of culture. They mature ten days earlier than White Russian. *Postpaid*, pounds, 20c.; 3 pounds, 50c.; pk., 30c.; bus. (32 lbs.), \$1.00; a three bushel bag, \$1.75; 5 bushels, \$4.00.

This grand oats is as near and invariably yields large crops. The grain is large; white and plump, ripens early and has stiff straw of good strength. *Postpaid*, lb., 20c.; 3 lbs., 50c.; pk., 35c.; bus. (32 lbs.), \$1.00; 2 bus., \$1.75; 5 bus., \$4.00.

**SPRING**—Not much spring wheat is grown in this State; some farmers continue to use it, finding it a convenient crop many times. We have a fine article of the best spring variety. Pk., 60c.; bus., \$1.75.

**WINTER WHEAT.**—We have some choice kinds. Those wanting carefully grown seed for fall sowing should write for **SPECIAL WHEAT CIRCULAR**, issued about August 1st. Application for this circular can be made at any time.

## MISCELLANEOUS FARM SEEDS.

As the prices are constantly changing on this class of Seed, we offer them **subject to market fluctuations**. Where customers are in need of large quantities, we will be pleased to quote them, on application, the **lowest prices** the market will justify at the time.

**SUGAR CANE, Early Amber.**—The standard variety for the north. Our stock is choice, having been carefully saved and cleaned for seed purposes. *By freight or express*, peck, 60c.; bus., \$1.75; 50 lbs., \$2.75; 100 lbs., \$5.00. *By mail (prepaid)*, lb., 25c.; 1/2 lb., 10c.; oz., 5c.

**EARLY ORANGE**—Same price as Early Amber.

**BROOM CORN, Improved Evergreen.**—The Evergreen is the favorite. It yields well and never gets red in the field before cutting, being strictly a green variety of brush. *By express*, pk., 50c.; bus., \$1.75. *By mail*, oz., 5c.; 1/4 lb., 10c.; lb., 25c.

**TEOSINTE**—A most prolific forage plant. Resembles corn, but the leaves are much longer and broader. The stalks are very nutritious. It can be cut several times during the season, yielding enormously. One seed will sometimes produce twenty to sixty shoots. It was introduced from a tropical country, and the warmer the climate the better it yields. Should not be planted until the soil is perfectly warm. Four lbs. sufficient for an acre. Pkt., 5c.; oz., 15c.; 1/4 lb., 50c.; lb., \$1.75.

**VETCHES, SPRING**—Sown broadcast like wheat or barley, and sometimes mixed with oats for soiling. Used in France and Canada as a substitute for peas. Also ground up into flour, after which it is mixed with wheat flour for making bread. *Peck*, \$1.00; *bushel*, \$3.75.

**KAFFIR CORN**—One of the best things offered of late years for a forage plant. The heads contain small white seeds which make an excellent flour. They are greedily eaten by horses and cattle, and make excellent food for poultry either fed in the grain or ground and cooked. The foliage and stalks make excellent forage. Cultivate same as common corn, requiring 4 or 5 pounds of seed per acre. *By mail (postpaid)*, oz., 5c.; 1/4 lb., 10c.; lb., 25c.; 3 lb., 60c. *By express*, lb., 15c.; 10 lbs., \$1.00.

**BUCKWHEAT**—Should be sown about the middle of June, broadcast, using from one to three pecks of seed to the acre.

**NEW JAPANESE**—This new sort has proven to be much earlier and more productive than any other variety. The grains are very large and of a rich brown color. Every grower should try this without further delay, for it is a well established fact that it excels all in yield and carliness. *Peck*, 40c.; *bushel*, \$1.50; a 2 bushel bag for \$2.50.

**SILVER HULL**—A very good and popular variety. The grain is of a light gray color, is rounder than the common variety, has a much thinner husk, matures earlier, and yields a half more to the acre. *Peck*, 40c.; *bushel*, \$1.50; a 2 bushel bag for \$2.50.

**SPRING RYE.**—A favorite crop to sow when winter crops have failed. *Peck*, 50c.; *bushel*, \$1.75.

## THE SPANISH PEANUT.

**T**HIS variety grows with tops erect, and does not spread upon the ground like the Virginia and Tennessee Peanuts. The pea is small, but very sweet, very solid, makes no pops and bears enormously. No hoe work is necessary, all the cultivation can be done with the plow. The rows may be only two feet apart, and seed dropped six to ten inches apart. Matures very early. It may be planted after oats in July, and will make a full crop before frost. In the gathering every pea comes out with the root, none left in the soil therefore rapidly harvested. **PRICE:** *postpaid*, large package, 10c.; lb., 35c.; 3 lb., \$1.00. *By express*, 4 lb., 50c.; 10 lbs., \$1.00. Bushel prices on application.



**RURAL BRANCHING DOURA (Millo Maize)**—One of the most valuable forage plants for warm climates. *By mail (postpaid)*, oz., 5c.; 1/4 lb., 10c.; lb., 30c.; 3 lb., 75c. *By express*, lb., 15c.; 10 lbs., \$1.00.

**WILD RICE (Zizania Aquatica)**—For planting in fish ponds it is desirable, and as an attraction for wild fowl it cannot be equalled. It so does well along the edge of marshes, and makes fair hay. Sow in the fall or very early spring. Will grow in water 8 feet deep. *By mail (postpaid)*, pkt., 5c.; 1/4 lb., 15c.; lb., 50c. *By express*, lb., 35c.; 10 lbs., \$2.50.

**CHUFAS or EARTH ALMONDS**—The nuts grow under ground, near the surface, and are easily reached by pigs or poultry. Excellent for fattening hogs. Plant 10 inches apart and in three feet rows. If seed is dry, soak before planting. One peck plants an acre. *Peck*, \$1.50. *By mail (postpaid)*, large package, 10c.; pound, 40c.; 8 pounds, \$1.00.

**SUNFLOWER.**—**MAMMOTH RUSSIAN**—For poultry, stock, and for fuel. Grows easily in almost any soil. Four quarts will plant an acre. We handle tons of this annually. *By mail (postpaid)*, oz., 25c.; 1/4 lb., 10c.; lb., 25c. *By exp.*, 10 lb., 75c.; 25 lbs., \$1.50.

**TREE SEEDS.**—**OSACE ORANGE**—Best of all hedge plants. *By mail (postpaid)*, oz., 10c.; 1/4 lb., 30c.; lb., \$1.50. Peck and bus. price on application. Plants supplied in season at very low rates.

**CATALPA (Speciosa)**—The hardy Western variety largely planted; rapid grower and makes the best timber trees. *By mail (postpaid)*, pkt., 5c.; oz., 10c.; 1/4 lb., 30c.; lb., 90c.

**RUSSIAN MULBERRY**—Planted for silk culture; easily grown, hardy, fine hedge; fruit quite palatable. Tree makes fence posts in five years, and fine lumber. Pkt., 5c.; oz., 20c.; 1/4 lb., 60c.; lb., \$2.00.

PRICES OF OTHER TREE SEEDS GIVEN ON APPLICATION.

# LIVINGSTON'S LAWN GRASS SEED.

In making a new lawn, great care should be taken to use only the very best quality of pure lawn seed to produce a soft, velvety, evergreen sod that will stand the cutting and heat of summer and the severe cold of winter. A good lawn once made will last for years if the right material is used and the work properly done. Our lawn seed is

## AS NEAR PERFECTION

as is possible to attain. It has been thoroughly tested in all parts of the country and has given perfect satisfaction. Old lawns are greatly benefited if given a thorough raking as early in the spring as the weather will permit, and then some fresh seed sprinkled on, which will renew the thin places and spots that have been killed out by weeds or other causes. Lawn seed can be sown at almost any time, from early spring to late in the fall; four bushels are required to sow one acre—43,500 square feet.

Price per Quart, 25 cts.	Will Sow 300 Sq. Ft.	Price per Peck, \$1.25.	Will Sow 2,400 Sq. Ft.
" 4 Quarts, 75 Cts.	" 1,200 "	Bush., 4.50.	" 10,000 "

IF TO GO BY MAIL ADD FIVE CENTS PER QUART FOR POSTAGE



## Our Lawn Fertilizer.

rich green velvety lawn. By using this dressing ALL UNSIGHTLINESS and disagreeable odors are avoided. NO WEED SEEDS WILL FILL YOUR LAWNS AS THEY FREQUENTLY DO WHEN STABLE DRESSING IS USED. It is very lasting, and by its use Worms and other Troublesome Insects are driven from the soil. It should be sown broadcast at the rate of 600 to 800 pounds to an acre, according to the condition of the lawn.

100 Lb. Bag, enough for 2,500 Sq. Feet, . . . \$2.00	25 Lb. Bag, enough for 600 Sq. Feet, . . . \$1.00
50 " " 1,250 " 1.50	10 Lb. Bag for . . . . .

IF TO GO BY MAIL ADD FIVE CENTS PER QUART FOR POSTAGE

**NO WEEDS. NO LITTER AROUND YOUR HOUSE.** OLD AND NEW LAWNS REQUIRE stimulating after the long drag through the winter, or in the fall after the season of cutting and the heat of summer. It is chemically prepared, containing only the elements to make GRASS GROWTH, and has never failed to produce a rapid and

productive lawn. Worms and other Troublesome Insects are driven from the soil.

It should be sown broadcast at the rate of 600 to 800 pounds to an acre, according to the condition of the lawn.

**RECLEANED GRASS AND CLOVER SEEDS.**

Customers understand that prices on grass and clover seeds are changing (almost daily), and that we can only give prices ruling to-day (January 1, 1893), subject to those market fluctuations. Bags are included at the prices here given, but when written quotations based on the market for the day are sent, they DO NOT include bags, for which in ordering add 20c. each. THOSE WANTING SEEDS IN QUANTITY SHOULD WRITE FOR SPECIAL PRICES.

IF TO GO BY MAIL 8 CENTS PER POUND MUST BE ADDED FOR POSTAGE.

**CANADIAN BLUE GRASS**—Choice seed. Pound, 20 cents; 25 pounds, \$4.50.

**Kentucky Blue Grass (JUNE GRASS)**—Known; desirable for pastures and lawns. Sow in fall or spring at the rate of 2 to 3 bushels per acre. **Extra Clean Seed**—Lb., 15c.; 25 lbs., \$3.25. **Fancy, or Double Extra Clean**—Lb., 20c.; 25 lbs., \$4.25.

**Orchard Grass**—An extremely hardy and widely known. One of the earliest to start in the spring, grows rapidly, and furnishes an abundance of pasture during the entire season, 1½ to 2 bushels per acre. Lb., 20c.; 25 lbs., \$3.25.

**Red Top Grass**—Thrives well in almost any soil, but best in low land, and produces a very firm sod. Sow 1 to 2 bushels per acre. Lb., 15c.; 25 lbs., \$3.00.

**Timothy**—A well-known variety. Write for latest prices, whether you want a bag or a car load. **Fancy**, Lb., 10c.; 25 lbs., \$1.75; 100 lbs., \$6.00. **Choice**, Lb., 8c.; 25 lbs., \$1.50; 100 lbs., \$5.50.

**Wood Meadow Grass**—Grounds, of early growth; thrives well under trees. Sow 2 bushels per acre. Lb., 30c.; 10 lbs., \$2.50.

**Sweet Vernal (ANNUAL)**—Is very fragrant, especially when bruised or cut. Mixed with other grasses for pasture it is quite valuable, as it starts early in spring and grows until late in the fall. Lb., 30c.; 10 lbs., \$2.50.

**Tall Meadow Oat Grass**—Used for soiling. It succeeds well in sandy lands, and owing to its long fibrous roots, stands cold and drought well. Sow 3 bushels per acre. Lb., 25c.; 10 lbs., \$1.75.

**Sheeps Fescue**—Short and dense in growth; excellent for sheep pasture; grows well on dry, sandy ground. Lb., 30c.; 10 lbs., \$2.50.

**Johnson Grass**—in the South. Good for hay or pasture; stands drought well. Sow 1 bushel per acre. Lb., 20c.; 10 lbs., \$1.25.

**Crested Dog's Tail**—Should enter in moderate quantity in permanent pasture mixtures, especially those for sheep on dry soils. Particularly suited for parks and ornamental purposes. Lb., 35c.; 10 lbs., \$3.00.

**Perennial Rye Grass (Lolium Perenne)**—A very nutritious and valuable grass for meadows and permanent pastures. A rapid grower, and the most prominent grass in England. 1 to 1½ bushels to the acre. Lb., 15c.; 25 lbs., \$2.50.

**Meadow Fescue**—This thrives in all soils; excellent for permanent pastures; starts early and is very productive. Sow 1½ to 2 bushels per acre. Lb., 20c.; 25 lbs., \$3.00.

Write us for **Special Prices on Grass Seeds** before you buy in either fall or spring. Also for **Prices of Other Grasses** not mentioned above.

**CLOVERS.** **ALSIKE, or HYBRID (SWEDISH)**—Productive, sweet and permanent; has fibrous roots like White Clover. Valuable for pasture when mixed with other grasses. Esteemed highly for bee pasture. Lb., 20c.; 25 lbs., \$1.00; 100 lbs., \$15.50.

**MEDIUM, or COMMON RED**—The Clover Seed of commerce, and the most important and valuable of the Clover family for agricultural purposes. This is a good clover growing locality and we handle large quantities of choice seed annually, but the past season's crop is very short. Sow 15 pounds to the acre. Lb., 20c.; 25 lbs., \$3.85; 100 lbs., \$15.00.

**MAMMOTH, or LARGE RED CLOVER**—Valuable when sown with other grasses for mixed hay, as it ripens about with Timothy, Orchard, and other grasses. Being a very rank grower it is coming into general use for plowing under as a fertilizer. Lb., 20c.; 25 lbs., \$3.85; 100 lbs., \$15.00.

**WHITE CLOVER**—Grows naturally in pastures in a great variety of soils and situations; an indispensable requisite in parks and lawns. Lb., 50c.; 10 lbs., \$4.00; 25 lbs., \$8.75.

**BOKHARA SWEET CLOVER**—Furnishes excellent pasture for bees. Lb., 40c.; 3 lbs., \$1.00.

**CRIMSON TREFOIL, or SCARLET ITALIAN**—Grows about one foot high, with fine stems and long leaves. Blossoms long and cone shaped, of a dark red or carmine color. A field in bloom is a beautiful sight. It grows rapidly but must be resown each season. It yields several crops per year. In the south of Europe it is much used for feeding green. Makes excellent hay. Lb., 25c.; 10 lbs., \$2.25; 25 lbs., \$5.00.

**ALFALFA, or LUCERNE CLOVER**—The demand for this great forage plant which is so extensively grown on the Pacific Coast, has increased wonderfully throughout the Southern and Western States, and has been much planted in the Middle States. Where it succeeds it is the most valuable of all clovers. It is important that the seed be sown in rich soil and thoroughly cultivated from weeds for the first summer; gives a fair yield the first season and the second is enormous; once established it is good for five to ten years. It thrives best in loose soil as the roots run deep; it stands drought exceedingly well. Lb., 20c.; 10 lbs., \$1.75; 25 lbs., \$3.75; 100 lbs., \$13.00.

**MILLETS.** Sow broadcast, one bushel to the acre for hay, one-half bushel if for seed, from May first to August first.

**GERMAN, or GOLDEN MILLET**—**True Southern Crown**—Superior to all others. Medium early; three to five feet high. Lb., 10c.; 25 lbs., 80c.; 100 lbs., \$3.00.

**WESTERN CROWN GERMAN MILLET**—Lb., 10c.; 25 lbs., 70c.; 100 lbs., \$2.50.

**HUNGARIAN (GRASS) MILLET**—Early; height two to three feet; abundant foliage and slender head; withstands drought; yields well. Lb., 10c.; 25 lbs., 70c.; 100 lbs., \$2.50.

Lowest market prices made on Clovers and Millets on application. Write for Special Prices when ready to buy.



#### A GROUP OF ASTERS.

1. NEW VICTORIA.	3. NEW MIGNON.	5. CROWN.
2. BALL, OR JEWEL.	4. ROSE-FLOWERED.	6. NEW COMET.

### ASTERS.—FALL ROSES.

This has become one of the most popular, beautiful and effective garden plants, growing from ten to eighteen inches high. For profusion of flowers and richness of display the Asters are unrivaled, and constitute the principal adornment of our gardens during the autumn. Sow the seed early in spring, under glass or in pots in the house, and transplant into rich soil, about one foot apart, according to height of plants. Splendid for bedding, border and pot culture.

**LIVINGSTON'S SUPERB ASTERS.**—Our Own Mixture, including the cream of this list with many other choicest varieties. Bound to please. Extra large packet, 25c. Regular size packet, 10c.

**Summitville, Iowa.**—“The LIVINGSTON'S SUPERB ASTERS I got of you were the handsomest I ever saw; there were all shades of color and very double. The BALSAMS were BEAUTIFUL and just bloomed themselves to death. The PETUNIAS and PINKS were all that could be desired—in fact all the flowers were as good as the best, and we all enjoyed them very much.”—RALPH ROBERTSON.

**DWARF PYRAMIDAL BOUQUET**—A magnificent dwarf variety, about one foot high. When full grown a single plant forms a complete bouquet of pyramidal shape, and covers itself with blossoms, often numbering fifteen or twenty flowers, almost entirely hiding the foliage. Fine for edging and small beds. **Six distinct colors mixed.** 10

**DWARF VICTORIA, Dark Scarlet**—One of the finest of the new Asters, it might well be called a *fireball* on account of its brilliancy, the perfect flowers are borne in great abundance on a neat bush about ten inches high—effective in beds or valuable for potting. This should be included in every order for Asters. 10

**DWARF VICTORIA—Mixed**—The finest class of Half Dwarf Asters: for size, range of color, and profusion of bloom, it is unsurpassed. All colors. 10

**NEW VICTORIA—Mixed**—A very free bloomer; flowers very large and beautifully imbricated; plant pyramidal in form. All colors. 10

**NEW VICTORIA, White**—One of the finest. Flowers large, perfect in form, and of the purest white. 10

**VICTORIA NEEDLE ASTERS—Mixed**—A remarkably free blooming variety with large double flowers of a very unique appearance. The petals of the flowers are curved and round as a needle. The colors range through the various shades of red, blue, purple, crimson, rose, etc. 10

**CROWN WHITE CENTER**—The flowers of this beautiful class of Asters are two-colored; the center of each pure white, with the petals of bright colors, as crimson, carmine, blue, violet, etc.; full double, of handsome shape, contrasting finely in color with the Rose and Perfection classes. **Mixed colors.** 10

**WASHINGTON—LARGEST FLOWERING OF ALL**—Frequently measuring four or five inches in diameter, very fine and of lovely color; 2 feet high. **Choicest mixed** 10

**NEW ROSE—Mixed**—Magnificent flowers, in shape and size rivaling the finest Roses. A great variety of brilliant colors, making a beautiful display during August and September. This seed is our importation from a celebrated German grower, and can be relied upon to produce the finest flowers for exhibition purposes; 18 inch. 10

**NEW WHITE ROSE**—Robust habit, producing large, pure white flowers, full and double as the finest rose. Blossoms profusely, covering the plant; remains in perfection nearly a month. 18 inches. 10

**PLEASE NOTE THAT WE HAVE ADDED SOME NEW AND VERY FINE ASTERS TO OUR LIST.**

### A SELECT LIST

OF

### CHOICE FLOWER SEEDS.

**OUR FLOWER SEED LIST** has been carefully revised, some new kinds added, and all inferior kinds cast out, so that there is nothing in the list but what is worthy of cultivation, and, if reasonably cared for, will give satisfaction. Our flower seed trade has increased very rapidly the last few years, which is very gratifying to us, as it speaks well for the quality of the seed we send out. Look it over carefully, and add at least a few packets to your Vegetable Seed order.

Flowers are usually divided into Annuals and Perennials. Annuals are those that bloom and ripen seeds the first year, and then die. Among these may be found some of our most brilliant and fragrant flowers. In fact, if you want flowers early in the season, and all the time until frost, a good selection of Annuals will not disappoint you.

Perennials are those that endure our Northern winters with little or no protection, and live and bloom for several years in succession. A large majority of Perennials will bloom the first year if started soon in the spring.

#### PACKET FLOWER SEED DISCOUNTS.

For 25 Cents select 6 Five-Cent or 3 Ten-Cent Packets.

For 50 Cents select 13 Five-Cent or 7 Ten-Cent Packets.

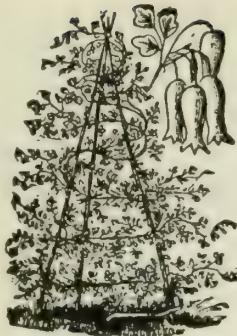
For \$1.00 select Packets to the amount of \$1.30.

For \$2.00 select Packets to the amount of \$2.75.

For \$5.00 select Packets to the amount of \$7.50.

All Flower Seeds sent Free by Mail on Receipt of Price.

**The figures at the right, opposite each variety, denote the price, in cents, per packet.**



ADLUMIA.



AGROSTEMMA.



SWEET ALYSSUM.



ACROCLINIUM.

## ASTERS—Continued.

**WASHINGTON**—New Scarlet—New and very fine, flowers beautiful and of immense size. Customers will be delighted with it. .... 10

**TRUFFAUT'S FRENCH PÆONY-FLOWERED PERFECTION**—Mixed—This is the most perfect type of Peony-Flowered Aster. Flowers large, brilliant, very double and imbricated; oval in form, somewhat resemble a double rose. 1½ feet high. Hard to surpass in size of flowers, brilliancy of color and habit of growth 10

**NEW DWARF PÆONY PERFECTION**—Mixed—Grows only 12 inches high, of very neat, compact habit, and flowers most profusely. The flowers are of very large size and fine form, perfectly double, the petals beautifully incurved. The colors are peculiarly rich and brilliant, and the refined form of the flowers attracts great attention. **Mixed colors** ..... 10

**JEWEL OR BALL**—A new and magnificent class of Aster, obtained from the well-known large-flowered Peony Perfection. It distinguishes itself at first sight by its beautiful short-petaled and perfectly round flowers, which may be compared with the finest incurved Chrysanthemums. Flowers, measuring from 2½ to 3 inches across, are as round as a ball, and being borne on long stems will prove very useful for cutting and bunching; height about 24 inches. **Mixed** ..... 10

**TRIUMPH**—The individual flowers measure from 2½ to 3 inches across and are of the most faultless Peony form, all petals being beautifully curved. The color is peculiarly rich and brilliant; when beginning to bloom it is a pure scarlet, but when in full bloom it changes to a magnificent satiny deep scarlet, presenting with these two brilliant colors a lovely sight. Each plant bears at least 30 to 40 flowers of exquisite beauty. .... 10

**PURE WHITE MIGNON**—A new Aster of great beauty, resembles the Victoria class in habit of growth but excels in free blooming. Plants about 15 inches high. Flowers of good size, pure white reflex petals and very double. It is splendid in pots or the open ground. Undoubtedly one of the finest for cut flowers. .... 10

**MIGNON MIXED—New Shades**—Rose, Lilac, Peach Blossom, White, etc.; very fine, a well established and popular favorite Aster of the Victoria class. .... 10

**SNOWBALL OR PRINCESS WHITE**—A new distinct Aster, raised from the Mignon, with which it corresponds as to growth and height of the plant. Every plant produces about 30 pure white flowers which are high-embowed with short petals lying scale-like upon the other. Its elegant, faultless shape, makes it valuable as a cut flower, the cut flowers last longer in water than any other Aster. Also suitable for pot culture. .... 10

**COMET**—Mixed—Form regular pyramids 12 to 15 inches, and covered with large double flowers. In shape they resemble a large-flowered Japan Chrysanthemum, the petals being long and twisted, or curled and wavy. .... 10

**NEW WHITE COMET**—This is a very pretty, new pure white Aster, the flower is much larger and more curled than that of the other colors of the Comet class and will certainly give satisfaction. .... 10

**NEW CHRYSANTHEMUM—Flowered Dwarf**—A desirable class, one foot in height; late, and valuable on this account, as well as for its great beauty. **Mixed** ..... 10

**CHRYSANTHEMUM—Flowered Dwarf, White**—A superb variety, every flower unusually perfect. .... 10

**FIERY SCARLET CHRYSANTHEMUM—Flowered**—A very fine variety. .... 10

**GERMAN QUILLED**—A well-known favorite and very distinct sort. **Many varieties in finest mixture** ..... 10

**IMBRICATED POMPON**—Mixed—beautiful. .... 10

**TALL ASTERS**—Mixed—Many choice kinds and classes. Large pkt., 10c. regular size pkt. .... 5

**DWARF ASTERS**—Mixed—Many Dwarf and Half Dwarf kinds. Large pkt., 10c.; regular size pkt. .... 5

## ABUTILON.

FLOWERING MAPLE, OR CHINESE BELL FLOWER—Universally admired; few are aware how easily they can be raised from seed, and how beautifully they flower the first season if seed is sown early: the seed should be started in the house and the young plants set out in the garden but not until the weather is warm and settled. They grow rapidly and make fine large shrubs, bearing elegant bell-shaped flowers. They bloom freely in winter in the house. **Choice mixture** of elegant colors. .... 10

## ABRONIA.

Trailing plants with Verbena-like flowers; leaves light green, of long oval shape; the stem is fleshy, lying prostrate on the ground. May be trained to sticks or left in its natural mode of growth. Peel off the husk before sowing. Very fragrant, and a long time in bloom. Transplant to one foot apart. Half hardy annual.

**Umbellata**—Rosy lilac with white eye. .... 5

**Arenaria**—A beautiful yellow variety. .... 5

## ACROCLINIUM.

A beautiful Everlasting Flower, strong growth, about 18 inches high, and bears a great number of pink and white daisy-like flowers, with a yellow center. Should be gathered the first day they open, or before they are open, and dried in the shade, to secure a bright center.

**Acroclinium, mixed** ..... 5

## ADONIS.

This pretty hardy annual is of easy culture, has blood-red or deep scarlet flowers and handsome foliage. Set the plants one foot apart. Blooms from July till September. 12 inches.

**Adonis Aestivalis** ..... 5

## ADLUMIA.

**Mountain Fringe, or Allegheny Vine**. Hardy annual. An attractive climbing plant with pale green foliage, bearing small, flesh-colored blossoms.

**Cirrhosa** ..... 10

## AGERATUM.

Valuable plants for large beds or borders, and very useful where cut flowers are in demand; it blooms the whole summer; also good for winter blooming; of easy culture, succeeding in any soil. Half hardy annuals.

**Conspicuum**—Fine white flowers; 18 inches. 5

**Imperial Dwarf Blue**—Very dwarf; 6 inches ..... 5

**Lasseauxii**—Dwarf rose; valuable for cutting; 15 inches. 5

**Mexicanum**—Lavender blue; 2 feet ..... 5

**Capensis** ..... 10

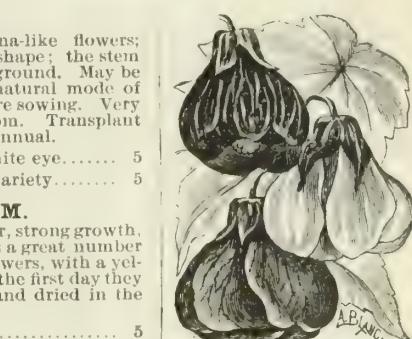
## ANCHUSA.

A splendid bouquet flower, of long duration, producing azure-blue forget-me-not-like flowers; hardy perennial; if sown early, blooms the first season, growing freely in shaded situations; two feet

**Capensis** ..... 10



SUNRISE AMARANTHUS. TRICOLOR AMARANTHUS



HYBRID ABUTILONS.



AGERATUM.



ACONITUM.

## FLOWER SEEDS—GENERAL LIST.

**AGROSTEMMA**—(Mullein Pink).

A bright little pink-like flower, of deep crimson with lighter center, produced on long, slender stems. The plant is branching, rather dwarf, and very pretty for edgings. Flowers the first season from seed sown in spring, and can be increased by dividing the larger roots. In bloom during June and July. Hardy perennial. (See cut on page 59.)

**Coeli Rosea**—(Rose of Heaven)—Rose; white center. 5

**Coronaria** ..... 5



AMPELOPSIS.



BRACHYCOME.



REX BEGONIA.



BALSAM APPLE.



ASPERULA.

**ALONSOA.**

A desirable plant, equally good for bedding in summer or as a pot plant for the house in winter. Flowers are bright and attractive. Half-Hardy annuals.

**Linifolia**—Fine scarlet; 18 inches. 5

**Warczewiczi**—Flowers small, bright scarlet, forming a very pretty spike; 18 inches. 5

**ALYSSUM.**

The delicate honey-like fragrance of the flowers of this little plant, so much prized in bouquets, basket and design work renders it most unlikely that this old favorite will ever be cast aside. Easy culture; blossoms all summer; 12 inches. (See cut on page 59.)

**Alyssum Odoratum**—White, very sweet, in clusters. 5

**Little Gem**—Of very compact growth, 3 or 4 inches high, but a single plant will cover a space up to 3 feet in circumference. It grows quickly from seed and the plants will bloom when quite young. The abundance of flowers is simply enormous, over 300 blossoms having been counted on a single plant. 10

**Benthami Compactum**—Of dwarf, robust growth; 6 inches. 5

**Golden Saxatile**—A free-growing perennial. Flowers brilliant golden yellow, completely hiding the foliage. Plants about one foot high; desirable for rock work; quite showy in masses. 5

**AMARANTHUS.**

Of remarkably handsome foliage and interesting flowers, producing a striking effect in the border as a background, or as centers of beds. The seeds may be sown in the open border, or in a hot-bed, which is recommended; transplant about first week in June. Produces most attractive and brilliant foliage upon poor soil; transplant to 20 inches. Half-hardy. (See cuts page 59.)

**Surise**—Most brilliant of all; top of plant brilliant crimson. 10

**Tricolor**—Red, yellow and green foliage; two feet. 5

**Caudatus (Love Lies Bleeding)**—Long drooping "chains" of flowers; pretty for decorating. 5

**Cruentus (Prince's Feather)** Flowers somewhat similar to Caudatus, but in erect masses. 5

**All kinds mixed** ..... 5

**AMPELOPSIS.**

There are few plants of more value than the Hardy or Perennial Climbers. Once planted they remain, and get larger and better every season. Invaluable for covering arbors, old stumps, trees, etc., and should be used freely.

**Ameloposis Veitchii, "Japanese Ivy," or "Boston Ivy"**—Is a most beautiful climber and is fast becoming a great favorite, clinging very firmly to the sides of a house or wall, and will soon form a most perfect mass. On this account and the beauty of its foliage, gives excellent satisfaction. 5

**ASPERULA.**

A flower finely adapted for bouquets, by reason of its shape, size, and delicate color—a light blue or lavender. For button-hole bouquets nothing will be often in request than this, contrasting finely with scarlet, and remaining fresh a long time. In bloom from July till after severe frost. **Aurea Setosa**—One foot. 5

**AQUILEGIA**—(Columbine).

Exceedingly showy, early blooming, hardy plants, especially valuable for the peculiar formation of their flowers, and the great variety of color. Hardy perennial.

**Chrysanthia (Golden-Spurred)**—A strong grower, forming bushy plants three feet high, bearing all through the season an abundance of bright golden-yellow flowers. 5

**Vulgaris**—Double—Mixed ..... 5

**ANAGALLIS.**

Beautiful little plants, valuable for edgings, small beds, vases, basket, or rock-work; when sown in a mass thickly will cover the ground with a profusion of flowers from July to October. Succeeds best in a light, rich soil, with warm exposure. Half-hardy annuals; one foot.

**Anagallis Grandiflora**—Fine mixed. 5

**BALLOON VINE.**

**Cardiospermum Halicacabum**, or Balloon Vine, is a curious, half-hardy annual. Sow seed under glass, and if planted in the garden, find it a sheltered situation. 5

Dennison, O.—"Your "TRUE BLUE SEEDS" are splendid. Could not be better"—JOHN W. OLIVER.



ANTIRRHINUM.

**ANTIRRHINUM**—(Snap Dragon).

This is an old favorite border plant, with dark and glossy leaves, and curiously shaped flowers with finely marked throat. They have been much improved by careful selection, and are really magnificent flowers. They will blossom the first season from seed sown in Spring, but the blossoms will be much stronger the second season. Succeeds best in dry, loamy soil. Tender perennial; two feet high.

**Antirrhinum—Mixed colors** ..... 5

**Tom Thumb**—Dwarf growing, one foot. 5

**BEGONIAS**—Tuberous-Rooted.

These are among the handsomest of our summer-flowering bulbs, and are not grown to the extent they should be. Any amateur can grow them, as they require no more care than Geraniums or other greenhouse or bedding plants. They are covered the whole summer with bright and elegant drooping flowers; blooming the first season from seed if started in February or March, in temperature of about 60 degrees. To raise them from seed, take a pot or flat (two or three inches deep), fill half full of some coarse stuff, to assure good drainage, then fill to within one-half inch of the top with fine-sifted, light soil, press down level and sow the seed, sifting over them a light covering; cover this with a thin covering of long-fibre sphagnum moss or with common brown paper. As soon as the seed show signs of starting, lift the moss or paper and gradually expose to the light. As soon as second leaf appears prick off into flats or small pots filled with any good loose soil. Keep them slightly shaded from the direct rays of the sun and as near the glass as possible. In the fall take up the tubers and put in the cellar the same as you would a Dahlia.

**DOUBLE, FINEST MIXED**—The seed we offer has been hybridized, using the most double flowers and the handsomest single varieties. 50

**SINGLE, FINEST MIXED** ..... 25

**BECONIA, Rex Hybrids**—Large, ornamental leaves of dark green, bronze, gold, red. These are grown for their variegated foliage, and are very desirable for house and garden decorations, in shady positions, and are well adapted for baskets. **Mixed**. 25

**BRACHYCOME**—(Swan River Daisy). Free flowering, dwarf-growing plants, covered during the greater part of the summer with a profusion of pretty Cineraria-like flowers; suitable for edgings and small beds, or pot-culture. Half-hardy annual.

**Light Blue and White, mixed** ..... 5

**BALSAM APPLE.**

Very curious vines with ornamental foliage, fruit golden yellow, warty, and when ripe opens, showing the seeds and its brilliant carmine interior; fine for rock work, stumps, etc. Half-hardy annual; ten feet.

**BALSAMINA**—Per oz., 50c. 5

**BARTONIA.**

Producing showy flowers above its gray and downy thistle-like foliage, which are exceedingly brilliant in the sunshine. Sow where it is to remain, as it does not bear transplanting well. Hardy annual; two feet.

**AUREA**—Large golden yellow. 5

**BACHELOR'S BUTTON**—(See Centaurea.)

## BALSAMS

"Lady Slippers" or

"Touch-Me-Not."

These are old favorites with every one owing to their handsome double flowers, brilliant colors and stately growth. To produce very double flowers, they must be transplanted into a rich soil in a sunny position and frequently watered. Cutting out some of the side branches is also advisable, especially with the strong and bushy growing varieties.

They can be pruned to any form desired to two or three, or even one branch. Tender annuals.

## LIVINGSTON'S PREMIUM BALSAMS.

## EXTRA DOUBLE AND VERY LARGE FLOWERS.

We beg to call special attention to the excellence of this unequalled strain. The flowers are immense in size, of fine form, and as double as a Camellia, which they resemble. The colors are as varied and brilliant as could be desired, even by the most fastidious; so double that it is a very shy seeder.

**LIVINGSTON'S PREMIUM MIXTURE**—7 pkts. for \$1.00; 3 pkts. for 50c. .... Pkt. 20

## DOUBLE CAMELLIA-FLOWERED BALSAMS.

FINE BALSAMS are one of our specialties, and we have taken special pains to secure the most double and largest flowers in the most distinct and striking colors.

**Snow White**—Very double; perfect form. **Victoria**—Satin white, spotted with scarlet. **Crimson**, **Pink**, **Light Lemon**, **Flesh Color**.

**Solferino**—White, beautifully striped and spotted with lilac and scarlet.

**DOUBLE SPOTTED**—In splendid mixture.

**DOUBLE CAMELLIA-FLOWERED**—**Best Mixed**—From above and other kinds.

Price, per packet of any of the above, 10c.; any 3 for 25c.; 7 for 50c.

**DOUBLE WHITE PERFECTION**—Flowers snow-white, as round as a dollar, of immense size, and thoroughly double. .... 10

**DWARF BALSAMS**—Useful for borders, but the flowers are only semi-double. .... 10

**DOUBLE ROSE-FLOWERED**—Not as choice as Camellia-Flowered, but a very good strain and one of the best for florists' use. Choice mixed. .... 10

**CARNATION STRIPED BALSAMS**—Very pretty and attractive but not quite so double as the Camellia-Flowered. **FINEST MIXED**, many colors. .... 5

**DOUBLE AND SEMI-DOUBLE MIXED**—All colors. .... 5

## CACALIA (Tassel Flower).

A showy plant of easy culture, producing beautiful scarlet and golden-yellow tassel-shaped blossoms. Also known as "Flora's Paint Brush." Sow early in spring in open ground in clusters. Half hardy annual;  $1\frac{1}{2}$  feet high. They keep in bloom from early summer until autumn, furnishing flowers for cutting every day; valuable for small bouquets.

**MIXED** ..... 5

## CALENDULA.

Showy, free-flowering hardy annuals, growing in any good garden soil, producing a fine effect in beds or mixed borders, and continuing in bloom until killed by frost; one foot.

**Meteor**—Large, double yellow, striped orange. 5

**Prince of Orange**—Resembles Meteor, but much darker. .... 5

**Pongei**—Showy, double white flowers. .... 5

**Orange King**—New, very large double dark orange-red flowers. .... 10

**Pure Gold**—Large flowers, pure golden yellow. 10

**CHOICE MIXED** ..... 5

## CAMPANULA.

We know beautiful hardy herbaceous perennials, bearing a great profusion of attractive bell flowers, thriving best in light rich soil; some of the varieties flower the first season if planted early. **Carpatica** and **Speculum** are fine for beds edgings and ribbon-gardening.

**SPECULUM**—A double blue variety of **Venus' Looking-Glass**, fine for cutting and bouquets; six inches. .... 10

**CARPATICA, Mixed**—Free-flowering blue and white mixed, continuing in bloom the whole season; six inches. .... 5

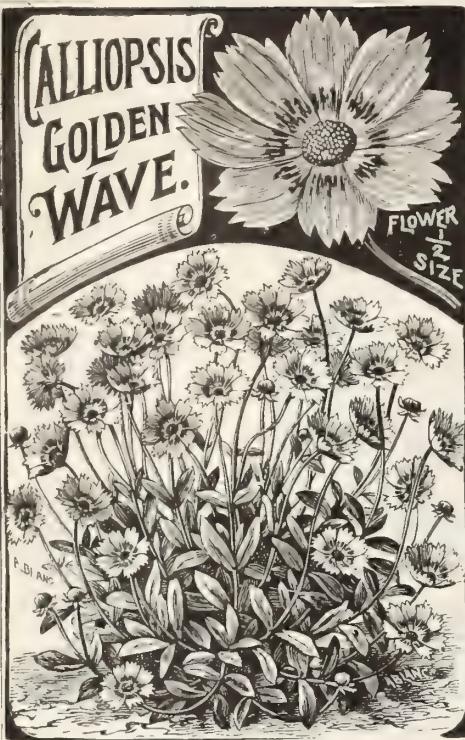
**CALYCANTHEMA (CUP AND SAUCER)**—This is the finest variety of **Campanula**, producing plants with white and blue flowers resembling a cup and saucer; mixed. .... 10

**SINGLE, Mixed (CANTERBURY BELLS)**—Beautiful large bell-shaped flowers; effective plants for pot-culture; hardy biennials;  $2\frac{1}{2}$  feet. .... 5

**DOUBLE, Mixed (CANTERBURY BELLS)**—All the double Media varieties.  $2\frac{1}{2}$  feet. .... 5



CAMPANULA.

**CALLIOPSIS**—(*Coreopsis*.)

Very handsome and showy plants, with numerous flowers of brilliant colors and of long duration in bloom. Of the easiest culture, as they grow rapidly, require no care and thrive in any garden. They make brilliant groups or low screens. Seed grows very readily and may be sown where plants are to flower.

**Drummondii** (GOLDEN WAVE)—Bushy, compact plants, covered all summer with bright golden flowers, two inches across, distinctly marked with dark brown center. 5

**Coronata**—Brightest yellow flowers, large size, deepening to rich orange toward the center, and elegantly punctuated with maroon. The flowers are borne on long, erect stems, and are fully equal to the perennial *Calliopsis Lanceolata*. The rich, wax-like foliage grows only one foot high, from which flowers stand out in bold relief. 5

**Dwarf Blood-Red**—Dwarf bushy plants, deep blood-red flowers. 5

**Hybrida Double**—Rich velvety maroon, bordered yellow; the flowers are semi-double and double. 5

**Mixed**—All varieties and colors. 5

**Dwarf Sorts, mixed**. 5

**Grandiflora**—Very large golden-yellow flowers; splendid for cutting; hardy perennial. 10

**Lanceolata** (NEW GOLDEN COREOPSIS)—One of the most showy hardy perennials grown, forming tall plants two to three feet high, and bearing in great profusion for a long period during the summer large flowers of bright golden-yellow. Unequaled for cutting; grows anywhere. 10

**CANDYTUFT.**

The Candytufts have long been among the most highly prized of garden flowers, and cultivation has done much in producing improved varieties. The best effect is produced by raising the plants in masses, and the seeds are sown where plants are to bloom; sow in rows six or eight inches apart and thin out the plants so that those remaining will have plenty of room. The soil should be rich, and when blooming time comes keep the plants well watered, especially if it should be a dry time. The plants are very branching and it is sometimes necessary to prune away some of the shoots in order to increase the size of the flowers. The Rocket Candytuft grows in compact spikes; the new dwarf varieties are only about six inches in height and their season of bloom is very long.

**New Empress**—A magnificent variety with enormous heads of pure white flowers. 10

**White Rocket**—Oz., 20c.; pkt., 5c. **Dark Crimson**—Beautiful color. oz., 20 5

**New Dwarf Hybrids**—Of dwarf habit and perfect shape, abundant flowers, from pure white to dark purple. 10

**Tom Thumb**—White, very dwarf; 4 to 6 inches. Sown early will bloom in June. Oz., 25 5

**Umbellata Lilacina**—Purple lilac. 5

**New Carmine**—Dwarf plants, with vivid carmine flowers. 5

**White Fragrant**—Oz., 20c.; pkt., 5c. **Mixed, all colors** Oz., 20 5

**CANNA**—(*Indian Shot*.)

The Cannas are the coming plants of our gardens. The demand for them is rapidly increasing. They are erect, stately plants from two to six feet in height, with ample and elegant foliage. The leaves are green in some varieties and in some purplish and reddish. The flowers are bright colored, red or yellow and variously marked, and peculiar and handsome in form. The plants once obtained can be kept from year to year, dividing them as they increase in size; on the approach of frosts they must be taken up, like Dahlia roots, and after lying out a few days to dry off, they can be stored away until spring in a cellar. They are very hard and some soak them in warm water for several hours before planting; but the best way is to file a hole just through the shell thus allowing the passage of water to the seed, which, in swelling, breaks the hard covering. The French Hybrid Cannas, though no better as foliage plants, have much larger flowers.

**CHOICE MIXED VARIETIES**—All kinds and sorts. 5

**DARK LEAVED VARIETIES**—Splendid Mixture. 5

**CROZY'S NEW FRENCH HYBRIDS**—Saved from the handsomest of the new varieties of this successful grower. Most of them are very dwarf in habit, early bloomers, and very remarkable for beauty of both flower and foliage; excellent for pots. 10

**CANARY BIRD FLOWER**—(*Tropaeolum Peregrinum*)

One of the most desirable climbing plants, growing rapidly to a height of ten feet: produces an abundance of yellow fringed flowers throughout the season. **YELLOW**. 5

**CHEIRANTHUS**—(*Virginia Stock*.)

Fine for small beds or edgings. May be sown where they are to bloom, or transplanted. Set about four inches apart. Should be sown in masses. About six inches in height. Hardy annuals. **MIXED COLORS**. 5

**COLLINSIA.**

Collinsia is a very pretty, free-blooming, hardy annual. The marbled or many colored flowers are in whorls of five or six blossoms, and three or more whorls on each stem. Flower stalks 12 to 18 inches high. May be sown in open ground. **BEST MIXED**. 5

**CLARKIA.**

The Clarkia is held in great estimation in Europe, and especially in England, where it is as common as the Candytuft. The flowers are very pretty and of many colors, double and single. As the plant is apt to suffer in our hot, dry summers, it is better to sow the seed in September, and plants will be large enough by spring to make good bloom. Hardy annual, 1½ feet high.

**DOUBLE AND SINGLE MIXED**. 5

**COCKSCOMB**—(*Celosia*.)

Highly ornamental plants, producing crested heads of flowers somewhat resembling a cock's comb. The flowers are many colors and shapes, but the scarlet and crimson are the most brilliant and rich. Showy plants may be raised from seed planted in the open ground in May. The oftener they are transplanted, or shifted, the larger and more beautiful they grow. Should be three feet apart. Tender annual, two feet high.

**NEW JAPAN**—The combs are delicately cut, while the colors are the brightest imaginable. 5

**QUEEN OF THE DWARFS**—New. A rich ruby red. 10

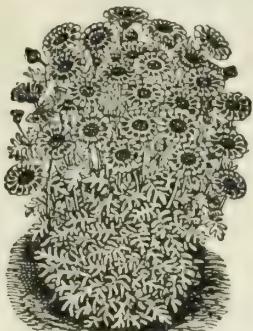
**FINE MIXED, many colors**. 5

**CATCHFLY**—(See *Silene*.)

CANDYTUFT.



CHRYSANTHEMUM JAPONICUM.



ANNUAL CHRYSANTHEMUM.



CALCEOLARIA.



CALCEOLARIA.

**CHRYSANTHEMUM.**

Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer flowering border plants; good for pot culture, and quite distinct from the autumn-flowering varieties.

**ANNUAL VARIETIES.**

Burridgeanum	—White centre, crimson band, beautiful.....	5
Carinatum Eclipse	—Pure golden with a bright purplish scarlet ring and dark brown disc, very striking.....	10
Cladstone	—Brilliant crimson. Very showy.....	10
Golden Feather	—White, banded crimson, inner ring canary yellow, maroon eye. (See cut).....	10
The Sultan	—Crimson maroon, golden yellow centre.....	10
Coronarium	—Choice double, white and yellow flowers, mixed.....	10
Inodorum Flore Pleno	—Best new sort with large double white flowers; excellent for cut flowers.....	5
Carinatum Finest Mixed	—Single.....	5
Carinatum	—Finest mixed, double.....	5

**PERENNIAL VARIETIES.**

**NOTE** The following varieties are for pot culture, for blooming in the house in winter, and for florists for cutting for bouquets.

Frutescens	—“Marguerite” or “Paris Daisy” — This variety, under the name of Marguerite, has obtained great popularity among florists. The pretty, star shaped, white flowers are freely produced and the plant will grow under almost any circumstances: perennial.....	10
Japonicum	—These are gorgeous autumn flowering plants. Quite distinct from the old varieties in style of flowers. Seed sown early will produce strong, flowering plants the first year. The seed we offer is from a choice collection of named varieties. Half hardy perennial. (See cut).....	25
Double Superb Mixed	—All types.....	25
Double Good Mixed	—All types.....	15

**COBÆA.**

A fine rapid-growing annual climber, with handsome foliage and large, beautiful bell-shaped flowers. Seeds should be started in hot-bed or by a warm window in the house, in rather dry soil, as they are apt to rot in open ground. In sowing, place the seed edge down, and do not water unless in a warm place, and the soil becomes very dry. A well established plant will run fifty feet in a season and cover a large veranda.

BLUE	—Deep violet.....	10
WHITE	—Very fine.....	10



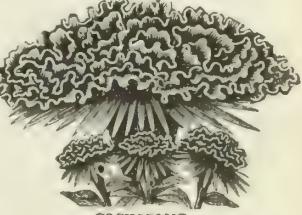
COBÆA.



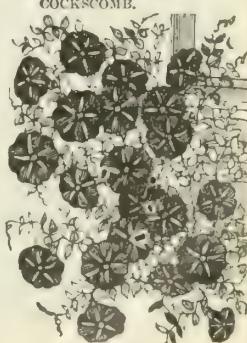
COLEUS.



CENTRANTHUS.



CLEMATIS.



CONVOLVULUS MINOR.



CALCEOLARIA.

Unsurpassed for pot culture in the greenhouse or conservatory; producing the brilliant flowers in great profusion and variety. The blooms are remarkable for their oddness of shape, and for their richness, diversity and variety of color.

**Tigred and Self-Colored Finest Mixed**..... 40

**CONVOLVULUS.** — (Dwarf Morning Glory.)

Beautiful and showy plants, producing an abundance of richly colored flowers. Set one foot apart. Blooms from July until autumn. Hardy annual.

**Convolvulus Minor** — Mixed tri-color..... 5

**Convolvulus Major** — (See Morning Glory.)

**CENTRANTHUS.**

The flowers are small and borne in clusters on light green, almost transparent stems. They form beautiful masses or borders, and for bouquets or other floral work, are excellent. Hardy annual. **Mixed Colors**..... 5

**COLEUS.**

Beautiful ornamental foliaged plants, both for hot-houses and bedding out during summer in a sheltered place, not exposed too much to the sun. The broad, oblong, slightly dentated leaves being of a deep crimson brown color, edged with green and yellow, or salmon color, or mottled in a picturesque manner, are of the greatest attraction in ribbon borders or indoors.

**Hybrids** — Splendid collection, mixed..... 20

**CLEMATIS.**

A well-known and admired, rapid growing, free flowering, ornamental climber. No flower has more rapidly advanced in popular favor than the Clematis. Within a few years it has become the favorite climber of the world. For pillars, trellises, or planting about rock-work the Clematis cannot be exceeded. Seed should be sown in the fall or winter, in shallow boxes in the usual way. They will generally lie dormant, even in the greenhouse, but germinate on the approach of spring. When an inch or two high transplant into boxes or small pots preparatory to planting in the open ground in May. Hardy perennial.

**Clematis, Large Flowering Mixed (Jack-mans)** — Flowers 3 to 4 in. across, of charming shades of blue, white, purple, etc..... 25

**Coccinea** — Tubular flowers of waxy vermilion; interior yellow..... 15

**Crispa** — Tube-shaped flowers, expanding into a star; pale blue and white..... 15

**Flammula** — (Virgin's Bower) — Fragrant white feathery flowers, borne in clusters..... 10



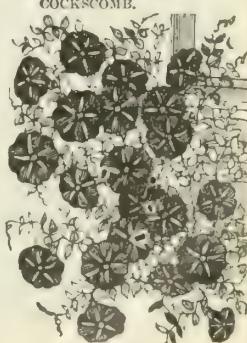
COSMOS.



CLEMATIS.



COCKSCOMB.





CARNATIONS

**CYPRESS VINE—(Ipomoea).**

This is a most beautiful climber, with delicate, dark green, feathered foliage, and an abundance of bright star-shaped rose, scarlet and white blossoms, which in the bright sunlight present a mass of beauty. Planted by the side of a veranda, tree or stakes, and trained properly, nothing is prettier. The seeds will sprout more readily if warm water is poured on the ground after sowing.

**QUAMOCLT**—White, rose, and scarlet, mixed 5

**COCCINEA** (Star Ipomoea)—Small scarlet flowers.. 5

**HEDERAECIA CRANDIFLORA.**

**CYCLAMEN.**

These elegant greenhouse perennials have been vastly improved of late years. Our strain is selected from the improved English sorts, and is conceded to be unsurpassed. Cyclamen seed sown early will bloom the following winter. We can supply the blooming bulbs in September.

**PERSICUM**—A superior strain. Mixed colors 15

**CICANTEUM**—A magnificent strain; extra selected, large flowering. Mixed colors 25

**COSMOS—(Hybridus).**

Of very rapid growth and makes large bushes fully five feet high, which are a mass of elegant foliage. From September until severe frost each plant is covered with hundreds of showy blossoms two inches in diameter. The flowers are borne on long stems and are white, flesh-color, charming light pink and deep rose in color, each with a bright yellow center. Both foliage and flowers are excellent for bouquets and vases. They are easily raised from seed, and can be transplanted or grown from cuttings.

**HYBRIDUS**—Mixed colors 10

**PEARL WHITE**—Large, pure white flowers; very beautiful; valuable for florists. 10

**CUPHEA—(Cigar, or Firecracker Plant.)**

A favorite bedding plant with greenhouse men; familiarly known as Cigar Plant on account of its fancied resemblance to a lighted cigar.  $1\frac{1}{2}$  ft. high.

**PLATYCENTRA**—Scarlet, white and purple. *Tender Perennial* 10

**MINIATA**—A pretty little half-hardy annual, bearing numbers of curiously shaped flowers, of a bright vermillion scarlet with violet center 10

**DATURA.**

An attractive plant with large foliage and a vigorous growth, producing a succession of large, white, purple-tinted, trumpet-shaped flowers, larger than a Calla Lily and having a faint perfume. Plant usually endures the winter, and blooms for years.

**DATURA FASTUOSA, (Trumpet Flower)**—Fine mixed, double;  $2\frac{1}{2}$  feet. 5

**DIGITALIS.**

“Foxglove” or “Witches’ Fingers,” ornamental hardy border plants, having long spikes of showy flowers. Three to five feet. Mixed colors. 5

**CARNATIONS AND PICOTEES—(Pinks).**

The most magnificent of all the Pink family and are general favorites for their delicious fragrance and richness of color. Seed may be sown under glass in spring, or in the open ground; protect during winter; half-hardy perennials. The seed we offer has been imported from the best sources in Europe, and will produce many splendid novelties in double and semi-double flowers.

**CARNATIONS AND PICOTEES, Stage-Flowers, all classes, extra fine mixed.** Of unrivaled quality and certain to give great satisfaction to the most critical grower.

**DOUBLE EARLY-FLOWERING VIENNA**—Choice mixed 25

**CRENADIN**—Dwarf and early, brilliant double scarlet flowers. 25

**CRENADIN—Dark varieties mixed.** 25

**GERMAN**—Extra fine double, mixed. 25

**DOUBLE, MIXED**—Very good. 10

**NEW MARGARET CARNATIONS.**

A magnificent new class of Carnations, and, without exception, the most abundant bloomers of all. They bloom in about four months after sowing the seed. The flowers are of perfect form, large, and **VERY SWEET SCENTED**. The brilliant colors range through many beautiful shades of red, pink, white, variegated, etc.; what is of special value, the caylax never bursts. Those sown in spring commence flowering in early summer, and continue to bloom in profusion until checked by frost, when they can be potted and taken in the house and will flower all winter, though, if intended specially for winter flowering, it will be better to sow later in the season. They come about eighty per cent. double. The plants are quite dwarf, much branched, compact and robust in habit, standing upright without support. **Mixed colors**—Pkt., 10c.; 3 for 25c.

**MARGARET CARNATION, WHITE**—Finding that this valuable race will produce self colors fairly true from seed, we now offer a pure white flowering variety, of which 75 per cent. accurately represent the type. Pkt., 20c.

**MARGARET CARNATIONS, VERY DWARF**—These Carnations are about 4 inches dwarfer than the semi-dwarf class, growing only 9 to 13 inches high. Eminently suitable both for borders and for pot culture. Pkt., 20c.

**CINERARIA.**

A favorite free-flowering greenhouse plant of wondrous beauty, with flowers of great richness and diversity of color; it blooms during the winter and spring months, and can be planted out in summer. They thrive best in a mixture of loam and peat.

**CINERARIA HYBRIDA**—The choicest mixture of first quality. 50

**CINERARIA HYBRIDA**—Second quality; very good. 25

**GRANDIFLORA PRIZE, Tall Mixed**—This strain is unsurpassed for beautiful colors and size of flowers; selected from prize varieties; 2 feet. 40

**GRANDIFLORA PRIZE, Dwarf Mixed**—Same as the above, except being of dwarf varieties. 50

**CENTUREA CYANUS, or BACHELOR'S BUTTON.**

(“Corn Flower,” “Blue Bottle,” “Ragged Sailor,” etc.)

A very old favorite hardy annual; flowers freely in almost any situation; for cut flowers they are largely used both in Europe and this country, a little bunch of the blue Corn Flower being a favorite boutonniere.

**CYANUS**—Blue “Emperor Flower” 5

**BACHELOR'S BUTTON**—Choice mixed

**NEW DOUBLE CORN FLOWER**—Corn

Flowers have ever been favorites with all flower lovers, and we are satisfied that this new introduction will meet with a hearty welcome. Choice mixed. 10

**AMERICANA**—Large-growing, with large

showy lilac-purple flowers. 5

**MOSCHATA** (Sweet Sultan)—Mixed 5

**SAUVEOLENS**—Fragrant, bright yellow 5

**WHITE-LEAVED OR DUSTY MILLER VARIETIES.**

Valuable for ribbon bedding; the silvery whiteness of the leaves being effective with other colored leaved plants; half-hardy perennial.

**CYNMOCARPA**—One of the best;  $1\frac{1}{2}$  ft. 10

**CANDIDISSIMA**—One foot. 10

**COLUMBINE**—(See *Aquilegia*.)

**CASTOR OIL BEAN**—(See *Ricinus*.)



CINERARIA.



DOUBLE DAHLIA.



DIANTHUS.

DIANTHUS.  
(PINK.)

All of this beautiful class of pinks are hardy and will flower the second season. If not allowed to flower too freely the first season; sow in a hot-bed, transplanting dwarf varieties six inches apart. If

not kept too warm, are useful for house plants. Double varieties mixed produce flowers as large as Carnation or Picotee. Hardy annual.

**CHINENSIS** (China or India Pink)—Superb varieties, double; mixed..... 5

**DIADEMATUS** (Double Diadem Pink)—Splendid large flowers of dark shades, marked with white and black colors, rich and beautiful..... 5

**IMPERIALS** (Double Imperial Pink) Choice colors, mixed..... 5

**MOURNING PINK**—A splendid new variety, with very double, large flowers. The ground color is a very dark mahogany, almost black, each petal edged with a margin of pure white..... 10

**CRIMSON BELLE**—Very large, single, brilliant dark red flowers..... 5

**EASTERN QUEEN**—Magnificent single flowers, two to four inches across. Most splendidly striped and stained..... 5

**THE BRIDE**, (Little Gem)—New, white with purple centre, very pretty..... 10

**HEDEWICII** (Double Japan Pink)—Very beautiful double flowers; mixed colors in great variety. One foot..... 5

**HEDEWICII**—Single—Flowers three inches across, of rich, beautiful colors..... 5

**LACINIATUS**—Double—Magnificent flowers, very large, petals deeply serrated..... 5

**LACINIATUS**—Single—Flowers very large, sometimes three inches in diameter; petals very deeply fringed and beautifully colored..... 5

**ALBA FLORE-PLENO**—Double white. One foot..... 5

**DOUBLE MIXED**—Many choice kinds.... 5

**PLUMARIUS** (Pheasant-Eye Pink)—This is the old original Clover Pink. Very fragrant; hardy perennial. Six inches..... 5

One pkt. each of the above for only 60 cts.

## DOUBLE DAISY—(Bellis.)

A charming little plant for pots, edgings and borders. Give it a cool, partially shaded place. Sow seeds very early. The flowers are abundant in early spring, and may be made to flower later by the use of water. Plants can be removed safely even when in flower. Tender perennial. Six inches.

**DOUBLE MIXED**—Finest German seed... 10

**LONGFELLOW**—Has very double dark rose flowers, comes true from seeds, of unusual size..... 15

**SNOWBALL**—A large and very double pure white Daisy of the "Longfellow" type. Flowers on long stems, excellent for cutting..... 20

## DAHLIAS.

Many people are not aware that Dahlias from seed sown in the spring will bloom beautifully the first summer, and give quite as good, if not better satisfaction than bulbs. From one or two papers of seeds many plants can be raised, which will be of the greatest variety of colors, fully equal to many of the finest named sorts. Seed germinates quickly and easily, and plants grow very rapidly. We would advise starting seed under glass, and transplanting to the garden in good, rich soil the last of May, where they will grow with surprising rapidity, and be in bloom before you are aware of it. Where not convenient to sow under glass, sow in open ground as soon as weather will permit. (Cut on page 64.)

**DOUBLE LARCE FLOWERING**—Extra choice, mixed, from select flowers only 15

**DOUBLE POMPON** (Bouquet)—Extra choice, mixed, from select flowers..... 10

**NEW SINGLE, Mixed Colors**—The flowers of single Dahlias are large, perfectly star-shaped, formed of broad petals which are gay and beautiful in color. They grow and bloom very soon from seed..... 10

**DWARF STRIPED**—New and very beautiful, with finely cut foliage and large, single flowers of perfect form and brilliant colors, mixed..... 10

**DELPHIUM**—(See Larkspur.)

**FORGET-ME-NOT**—(*Myosotis*)

The Forget-me-not is an old favorite plant, bearing clusters of star-shaped, delicate blue flowers, with white and yellow eyes. It flourishes best in a moist, shady situation, and is in constant bloom nearly the whole season. If the seeds be sown in autumn it will succeed best and flower in early spring. Hardy perennial.

**ALPESTRIS**—Blue..... 5

**ALPESTRIS ALBA**—Pure white; 6 inches 10

**ALPESTRIS VICTORIA**—Of bushy habit.

Plant 5 to 7 in. high; diameter 8 to 10 inches, and when fully grown is globular in shape, and covered with large, bright azure-blue flowers. The best one for growing in pots..... 15

**ALPESTRIS CRANDIFLORA**—New; large flowering, of pyramidal habit very fine..... 15

**DISSITIFLORA**—Compact habit, profuse bloomer; exquisite blue; and attractive bedding plant; 6 inches..... 15

**PALUSTRIS SEMPERFLORENS**—A charming variety; thrives in sun or shade; in bloom from early spring until autumn with beautiful blue flowers; 8 inches..... 15

The Set of six for only... 60 cts.

## ESCHSCHOLTZIA.

California poppy; very showy colors. Finely cut leaves of a glaucous color, and blossoms about 2 inches in diameter, of many brilliant showy colors. As stalks and branches are delicate, they will do better if supported by small sticks. Sow where the plants are wanted to bloom, as they do not bear transplanting. Thin to six inches apart. Hardy annuals. One foot high.

**Splendid Mixture**..... 5

## EUPHORIA.

**HETEROPHYLLA**—("Annual Poinsettia," "Mexican Fire Plant" or "Fire on the Mountain.") An annual of the easiest culture, forming bushy plants three to four feet high, with highly ornamental leaves, which in summer and autumn become blazed with a darker fiery scarlet so that only a tip of green is left. Grow in a situation fully exposed to the sun, which enhances the brilliancy and hastens the coloring; also valuable as a pot plant. Three packets, 25c.; packet, 10c.

**VARIEGATA** (Snow on the Mountain)

A large, robust growing annual, 2 feet high, with very ornamental green foliage, striped with white. Splendid for borders and large masses. Pkt., 5c.



FORGET-ME-NOT.



ESCHSCHOLTZIA



DOUBLE DAISY.



EUPHORIA HETEROPHYLLA.

## FLOWER SEEDS GENERAL LIST.

## EDELWEISS.

*GNAPHALIUM LEONTOPODUM*—The famous and true "Edelweiss" of the Alps. The flowers are of a downy texture, pure white and star-shaped. .... 25

## EUTOCA.

Foliage dull green, covered with hairs; blossoms blue and striped,  $\frac{3}{4}$  of an inch across, produced in terminal racemes. Excellent for cutting, because a branch placed in water will bloom many days, and the bloom is intense in color. Succeeds best in warm soil, not over rich. Hardy annual. .... 5

*EUTOCA VISCIDA*—Mixed colors. .... 5

EVENING PRIMROSE—(*Oenothera*).

A beautiful genus of exceedingly fine flowering plants. The character of the plant is somewhat singular, the blossoms not expanding till the latter part of the day, making a magnificent show during the evening and early in the morning. Blooms the first season. .... 5

*LAMARKIANA*—Very showy, large yellow flowers; 3 ft. .... 5

## FOUR O'CLOCK—(Marvel of Peru).

Flowers open in the afternoon, hence the name Four O'Clock. Old fashioned, but none the less beautiful. The plant is large, and requires four feet of space; makes a pretty hedge. The flowers are funnel-shaped, white, red and striped; very fragrant and opens about 4 o'clock in the afternoon, remaining open all night. Will grow in any common garden soil from seed sown in the open ground. Hardy annual. .... 5

*FOUR O'CLOCK*—Mixed. .... 5

## FUCHSIA.

Fuchsias are as easily grown from seed as cuttings, and from seed many new varieties are obtained. They will flower freely the first year in the open ground, while the plants can be taken in the house in the winter, where they flower still more freely. We offer the finest single and double, saved from named varieties, mixed. .... 25

## GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom during summer and autumn; half-hardy annuals; 1½ ft. .... 5

*PICTA*—Single. Red and yellow; very showy. .... 5

*LORENZIANA*—Most beautiful and distinct in appearance; the flowers form into globular-shaped flowers, finely fringed. Early. Continues in bloom until frost. .... 5

*PERENNIAL*—Fine mixed. One of the most showy and perpetual-blooming hardy plants we have. .... 10

## GILIA.

A familiar and popular garden plant, with finely cut and delicate foliage, producing dense globular heads of clustered blossoms of celestial blue. Foliage and flower are both beautiful. Sow early in spring in any good garden soil. Hardy annual; two feet high. .... 5

*MIXED*—All varieties. .... 5

*TRI-COLOR*—White, Lilac and Purple. .... 5

## GLADIOLUS.

Magnificent plants with sword-like leaves and long spikes of flowers of every conceivable color and shade. The variations are now numbered almost by thousands, each year bringing forth new and choice selections which have been produced from seed, which is the only method of obtaining new varieties. Half-hardy perennial. .... 25

*SPLENDID MIXTURE*—From choice named varieties. .... 25

GLOBE AMARANTH—(*Gomphrena*).

An excellent everlasting or immortelle; flowers globe-shape, purple, orange and variegated. Retain their shape and color when dried; are also good for cutting as fresh flowers. Called by some "Bachelor's Button." .... 5

*Alba*—White. .... 5

*Purpurea*—Deep red. .... 5

*Aurea*—Golden yellow. .... 5

*Mixed*—Many colors. .... 5

*Nana Compacta, Mixed*—Of very compact, dwarf habit; double flowers. .... 5

*Dwarf Red* .... 5

*Dwarf White* .... 5

## GLOXINIAS.

The Gloxinia is a grand flower and makes a lovely pot plant as easily grown and cared for as many of the common flowers. Without seeing them no one can appreciate their unrivaled beauty; they are of large size, beautiful shape and profuse bloomers, the colors ranging from pure white to dark blood red, pink, blush, lavender, indigo-blue, marbled and spotted. They will bloom in three months from the time seed is sown, or in six weeks from the time dry bulbs are planted. The flowers will last in water when cut, two weeks in perfect condition. .... 25

## HYBRIDA CRANDIFLORA, DEFIANCE—

A new Scotch variety. The flowers are large and erect, with thinly frilled petals, and of an intense crimson scarlet; very striking, and one of the finest. .... 25

*CRANDIFLORA, MIXED*—All choice sorts. .... 25

## GLOXIANAS.

(CONTINUED.)

*HYBRIDA CRANDIFLORA, or "EMPEROR FREDERICK"*—A magnificent new variety, with large, upright flowers of fiery scarlet ground color, beautifully and broadly margined with pure white. One of the best for exhibition purposes. .... 25

*SPOTTED AND TICKED*—Finely spotted and marbled. A splendid collection of beautiful varieties. .... 25

*SPLENDID MIXTURE* of all classes. .... 25

## GOURDS—(Small, Ornamental Sorts).

A great variety of curiously formed and marked fruit. The vines are of rapid growth and with luxuriant foliage, adapted for covering screens, arbors. Height, ten to fifteen feet. .... 5

*MIXED*—Many beautiful varieties. .... 5

For other varieties of Gourds see Vegetable List. .... 5

## GODETIA.

An attractive and hardy annual, deserving more extensive cultivation; profuse flowering plants, growing in almost any garden soil. .... 5

*DUCHESS OF ALBANY*—Very large, glossy, satiny white flowers; beautiful. .... 5

*LADY ALBEMARLE*—Brilliant dark crimson; very effective. .... 5

*SATIN ROSE*—Bright rose, glossy and satin-like in appearance; very fine. .... 5

*BIJOU*—Flowers splendid white with dark red spot; not over 6 inches high; forming carpet-like bushes of 12 inches and over in diameter, bearing 200 to 300 flowers to a plant. .... 5

*FINE MIXED, SEMI-DWARFS*. .... 5

## GYPSOPHILA.

Small white, fragrant flowers, borne on long, feathery stems. No flower adds more of light and grace to a bouquet than this, and when once grown will be found indispensable. In bloom through the summer from first of July till frost. Although not belonging to the immortelle class, the flowers dry finely and are very desirable for winter bouquets. .... 5

*ELECANS*. .... 5

## HELICHRYSUM—(Everlastings).

Large, full, double, everlasting flowers, of various colors, from bright yellow to scarlet, shaded and tipped. Peculiarly desirable as dried specimens, and exceedingly handsome bouquets may be formed of them for winter, if blossoms be gathered when on the point of expanding. Sow early in spring in any good garden soil, and thin the plants to one foot apart each way. Hardy annual. .... 5

*DOUBLE MIXED COLORS*—Two feet high. .... 5

*DWARF MIXED*. .... 5

## HELIPTERUM.

One of the best everlasting; small, neat foliage, and finely shaped clusters of bright, golden-yellow flowers. Should be cut when the buds are about to open, tied in bunches, and hung in a shady place; the flowers will open in the drying houses and retain their brilliant color for years. Height one foot. .... 5

*SANFORDI*. .... 5

## HELIANTHUS—(Sunflower).

A well-known genus of the most showy plants, remarkable for their stately growth and the brilliancy and size of their flowers; also said to absorb the miasma from the atmosphere, thereby curing fever and ague preventive. .... 5

*RUSSIAN MAMMOTH*—Very large; used for poultry feed; also oil and fire wood. Ounce, 10c. .... 5

*CUCUMERIFOLIUS*—A showy variety growing about 3 feet high, of branching habit; blooms profusely through the season; flowers 2 inches in diameter, orange-yellow with black center. .... 5

*CLOBOSUS FISTULOSUS*—A remarkably large, very double and showy variety, globular formed, bright, rich saffron color. .... 5

*DWARF VARIECATED*—Single. Foliage green and yellow; very ornamental. .... 5

*NANUS*—Double flowering dwarf. .... 5

## HESPERIS—(See Rocket).

## HONESTY—(Satin Flower).

*Lunaria annua* is a perennial that is known as Honesty in all our gardens. An early, fine-flowering plant, bearing racemes of pretty single, purple flowers. The silvery seed pouches are curious and pretty, and desirable for house ornaments and working in with everlasting flowers. The plant is hardy. .... 5



FOUR O'CLOCK.



GLOBE AMARANTH.



HELICRYSUM.



HELIPTERUM.



GLILIA.



GOURDS.

GOURDS.

**HOLLYHOCK.**

The Hollyhock, in its present state of perfection, is very unlike its parent of olden time; it now ranks with the dahlia, aster, camellia, etc. For a background to a flower garden, perhaps no plant is so useful, the flowers are as double as a rose, of many shades of color. Hardy perennial; five feet high. The seed we offer of this handsome flower has been saved from the best collections in Europe.

**Double Pure White**..... 10

**Double Lemon Color**..... 10

**Double Crimson**..... 10

**Double Flesh Color**.....

Any three separate colors for 25c. or the four for 30c.

**CHATER'S FINEST MIXED**

—Twelve double varieties of the greatest perfection, mixed; best strain in the world..... 15

**EXTRA CHOICE—Double** mixed, many kinds..... 10

**GOOD MIXTURE**..... 5

**HELIOTROPE.**

Every one loves the delightful fragrance and beauty of the Heliotrope, but very few are aware of the fact that it can be raised from seed as easily as Verbenas. From seed sown in the open ground the plants will flower in August, while a fine display can be had earlier by starting the seed in the house and setting out plants when the weather is warm.

**King of the Blacks**—Very deep..... 10

**Boule de Neige**—(Snowball)..... 10

**Dr. Livingston**—Very fine dark sort..... 10

**Choice Mixed**—Dark flowering sorts, very fine..... 10

**Fine Mixture**—Of light and dark shades..... 10

**HEDYSARUM**—(French Honeysuckle.)

Handsome flowering plants, producing racemes of attractive pea-formed flowers. It bears some resemblance to the Scarlet Clover, but is a much bolder and handsomer flower; a desirable hardy perennial. Seed may be sown in the open ground.

**CORONARIUM**—Fine scarlet..... 10

**HIBISCUS.**

A branching plant of the easiest culture, with rather pretty foliage, and large cream-colored flowers, purple in the center. The flowers are exceedingly showy, not of long duration, but continue to bloom from June to October. Hardy annual. One foot high.

**AFRICANUS**.....

**HUMULUS JAPONICUS.**

This new Japanese variety of Hop is a splendid annual climber for rapidly covering arbors, walls, trellises, etc. The foliage resembles that of the common Hop, but is more dense. Seed sown in the open ground in spring will produce plants of a very large size in a short time. Withstands heat, drought and insects, and remains fresh until late in the fall.

**HUMULUS JAPONICUS**..... 15

**HYACINTH BEAN**—(Dolichos Lablab.)

A splendid climber, with abundant clustered spikes of purple and lilac flowers, which are followed by exceedingly ornamental seed pods. It is of rapid growth and often climbs twenty feet in a season. Plant the seeds where the plants are desired, after the weather has become warm, and cultivate like the common pole bean. Tender annual.

**MIXED COLORS**..... 5

**HYACINTHUS CANDICANS.**

(CAPE HYACINTH.)

A most beautiful autumn blooming plant. Flowers 1 to 2 inches across, creamy white, and borne on spikes 4 to 5 feet long, giving it the appearance of a monstrous Hyacinth; half hardy perennial..... 10

**ICE PLANT.**

A singular looking plant with thick, fleshy leaves which have the appearance of being covered with crystals of ice. Start early in pots, and transplant into light, sandy soil in a warm situation. Tender annual.

**ICE PLANT**—(Mesembrianthemum Crystallinum.) 5

**IPOMOEÀ BONA NOX** (See Moonflower.)

**IMPATIENS.**

(Zanzibar Balsam.)

A perennial Balsam from Africa. This plant is of compact, neat habit of growth, and almost a perpetual bloomer. Planted out in the open air at the end of June, it grows luxuriantly, flowers with the greatest profusion. The flowers are of a brilliant rosy-scarlet color, 1½ in. in diam. A beautiful plant for window culture in winter.

**Sultani**..... 1

**JACOBÆA**—(Senecio)

A showy half-hardy perennial from South Africa. It produces in great profusion branching spikes of bright flowers, 1½ inches in diam., from spring until fall, and will bloom all winter in a cool greenhouse.

**DWARF TALL**.....

**DOUBLE DWARF**..... 10

**JOB'S TEARS**—(Coix Lachryme.)

An ornamental grass which, when dried and tastefully arranged with everlasting flowers make an attractive winter bouquet. Half hardy annual; 1 to 2 ft. 5

**KENNILWORTH IVY**—(Linaria.)

A pretty trailing plant for covering rockwork, and very useful for hanging baskets. Hardy perennial.

**Linaria Cymbalaria**..... 15

**LOBELIA.**

Exceedingly pretty, profuse blooming plants of great value to the flower garden; their delicate, drooping habit, and the profusion of their charming little flowers, render them extremely ornamental.

**GOLDELSE**—**NEW**—A grand novelty forming with its golden yellow foliage and deep azure blue flowers a contrast of charming beauty. 2.

**ROYAL PURPLE** (Compacta Oculata)—Dark stalks and deep blue flowers with distinct white eye, splendid new variety..... 10

**WHITE CEM**—Flowers of purest white. Blooms until destroyed by frost; best white for ribbons and compact bedding..... 10

**EMPEROR WILLIAM** (Erinus)—A very compact variety, with fine sky-blue flowers.....

**CRYSTAL PALACE** (Compacta)—A new, densely compact, miniature variety, which is studded with rich, deep blue flowers during the summer months..... 10

**QUEEN VICTORIA** (Cardinalis)—A new variety, very dark leaves and beautiful flowers of brilliant scarlet. Hardy perennial..... 25

**GRACILIS**—Fine for hanging baskets, vases, etc.; half hardy annual..... 10

**LARKSPUR**—(Delphinium.)

The Larkspur is one of the handsomest and most useful of all plants, and will bloom in the driest season with surprising persistence. The brilliancy of some of the colors is unsurpassed.

**HARDY ANNUAL SORTS.**

**DOUBLE DWARF ROCKET**—Grows ten inches high; a dozen good kinds mixed..... 5

**CARDIOPETALUM**—Deep blue; heartshaped; 1½ ft

**TALL STOCK FLOWERING**—Spikes of double flowers 18 inches long; very beautiful and the best for florists. Two feet high. Several of the brightest and best colors mixed..... 5

**IMPERIAL DOUBLE EMPEROR**—Compact and profuse bloomer, having erect spikes of perfectly double flowers, which, in a dried state, are fine for winter bouquets. Eighteen inches high. Mixed colors..... 5

**HARDY PERENNIAL SORTS.**

**ELATUM HYBRIDUM**—Hashairy petals in the center, and a fancied resemblance to a bee. Five feet high..... 5

**GRANDIFLORUM ALBUM**—Large double white flowers; 4 feet high..... 10

**FORMOSUM**—Rich blue; white; 3 ft. 5

**NUDICAULE**—Very pretty scarlet flowers; fine for rockeries, flower borders or pot culture; 18 inches high..... 10

**LATHYRUS**—(PERENNIAL PEAS.) SEE SWEET PEAS.



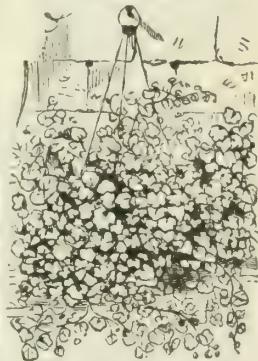
LOBELIA.



HELIOTROPE



LARKSPUR.



KENNILWORTH IVY.



LANTANA.



HYACINTH BEAN.

## FLOWER SEEDS—GENERAL LIST.

## LANTANA.

Popular free-flowering and very rapid growing plants, with large flowerheads of various colors which emit a powerful aromatic perfume and are continually changing their color. The plants form bushes, and during the summer months are completely loaded with blossoms, which are succeeded by berries, which, when ripe, turn a deep blue. Start the plants in the house or hot-bed, and protect from frost. Tender perennial. Two feet. (See cut page 67.)

**FINEST FRENCH VARIETIES—Mixed.**..... 10

## LYCHNIS.

A common border hardy perennial from Russia, to be found in nearly all large gardens, where it is justly entitled to a place, as there are few flowers of such intense scarlet. To obtain good flowers the first summer, start seeds under glass and transplant as early as the weather will permit. Plants live for several years.

**LYCHNIS CHALCEDONICA—Bright scarlet; 2 feet.**..... 5

**HAACEANA HYBRIDA—Large flowers, white, rose, red, etc.; 1 foot.**..... 10

## LUPINUS—(Sun Dials.)

Profuse flowering ornamental plants, producing their flowers in graceful spikes of rich and varied colored flowers; useful for beds and mixed borders. Must be sown where they are to grow, as they do not bear transplanting.

**ANNUAL VARIETIES—Mixed.**..... 5

**POLYPHYLLUS—Finest mixed, perennial.**..... 5

## MIGNONETTE.

A well-known hardy annual, producing dense, semiglobular heads of exceedingly fragrant flowers, borne on spikes from three to eight inches long. It is in bloom nearly the whole season, and the perfume is so strong and fragrant that the whole atmosphere around is perfumed. If sown at intervals during the spring and early summer it will bloom until killed by frost. Seeds sown in autumn will bloom early in spring. Hardy annual; perennial, if protected; 1 foot.

**IMPROVED VICTORIA RED—A NEW VARIETY, and a PERFECT BEAUTY in every respect.** Grows about six inches high. Beautiful pyramidal spikes of regular form, PRETTY AND BRILLIANT RED FLOWERS, which are much larger and more brilliant than the old Victoria Red; dark glossy green foliage; valuable for pot culture, groups or edgings; plant eight inches apart..... 25

**RESEDA ODORATA—(Sweet Mignonette)—Well-known, fragrant, hardy annual.**..... Oz., 20 5

**PARSON'S NEW WHITE—Of robust habit; flowers large and showing more white than the common sort. "No. 1."**..... Oz., 30 5

**WHITE SPIRAL—Entirely distinct from the older varieties. A strong grower, and most abundant bloomer, producing flower spikes 8 inches long.**..... Oz., 25 5

**ODORATA GRANDIFLORA AMELIORATA—A large variety with reddish tinge to flowers.**..... Oz., 20 5

**COLDEN QUEEN—Fine; new and distinct; flowers a golden hue.**..... Oz., 30 5

**MACHET—Plant dwarf and vigorous, of good habit, producing many large spikes of very sweet scented flowers; fine for either pot culture or borders.** Oz., 75 10

**PUMILA ERECTA—Dwarf; compact; a good pot Mignonette.**..... Oz., 75 5

**Many Kinds Mixed.**..... Oz., 25 5

## LEPTOSIPHON.

Hardy annual of the easiest culture and well adapted for making marginal lines in beds. From 6 to 12 inches. **“Fine Mixed.”**..... 5

## LINUM—(Crimson Flax.)

**GRANDIFLORUM RUBRUM—One of the most beautiful annuals known; valuable for bedding**..... 5

## MARIGOLD.

A well-known magnificent plant, with handsome double flowers, of rich and beautiful colors, and neat, compact, green foliage, producing a splendid effect in almost any situation. The African is the taller and more striking in large beds and shrubby borders, while the French fills in front, or is used in small beds. Half hardy annual.

**African Quilled—Mixed; 2 feet.**..... 5

**French Dwarf—They form low, compact bushes, with masses of red and yellow double flowers.**..... 5

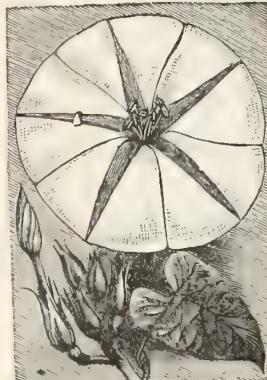
**French Tall—Mixed colors.**..... 5



MIGNONETTE.



MORNING GLORY.



MOON FLOWER.



MARIGOLD.



MAURANDIA.

## MAURANDIA.

An elegant climbing greenhouse perennial, but can be grown from the seed and brought forward so as to branch and FLOWER PROFUSELY from August to October the FIRST SEASON, in the garden. One of the most popular climbers, whether for greenhouse, parlor, baskets or outdoor purposes. **Mixed, choicest kinds**..... 10

## MATRICARIA—(Feverfew.)

Free-flowering herbaceous plants, succeeding in any garden soil; fine for bedding or pot-culture; blooms until frost; hardy annual; 18 ins

**Crispa Alba Plena—Very handsome double white flowers with dense and pretty curled foliage, like parsley; fine for ribbon beds; 8 inches**..... 10

**Capensis fl. pl—double white flowers, splendid for bouquets, etc.**..... 5

## MOON FLOWER.

The Moon Flower has become an established favorite as a summer climber. No one who has a trellis or arbor to cover should neglect to plant one or more varieties of this most rapid growing of all annual climbing vines. Directions for sowing the seed go with every packet.

MOON FLOWER—White-Seeded (*Ipomoea* *Noctiflora*, or *Grandiflora* *Alba*.)

The variety most generally grown, being larger in flower, firmer in texture, and of sweeter odor than the common black seeded variety. It bears in the greatest profusion its lovely immense white flowers, 5 to 6 inches in diameter, with a five-pointed star in the center; the flowers open at dusk or earlier on cloudy days, at which time they are deliciously fragrant. To obtain the best results, start early in the house and set out as early as safe in the spring; usually they begin to flower early in August, the vines are nightly covered with pure white flowers, emitting a rich Jessamine odor. Planted in rich ground, in a sunny situation, the vines attain a height of twenty-five feet in a season..... 10

## MOON FLOWER—New Cross-Bred, or Hybrid—

This new variety is of great value for the North, as it is in FULL BLOOM FULLY ONE MONTH BEFORE THE PRECEDING, and while not quite so large as the white-seeded, yet they are very numerous, completely covering the foliage in places. It is of luxuriant growth. Flowers are pure white, large and fragrant. Both foliage and flowers vary in form on different plants, some being scalloped, others round, others five-pointed or star-shaped; the foliage also varies from the original shape to oak-leaved and heart-shaped, thus adding charm and interest to this grand climber. If planted in a warm, sunny position, it will give delight to all who cultivate it, growing with great rapidity to a height of 70 feet; the luxuriant, rich bright green foliage makes an admirable shade for verandas, arbors, etc., and when the magnificent pure white flowers are open the effect is grand..... 10

**LEARI—** This is a grand companion to the White Moon Flower, is a lovely satin blue with crimson bars. Planted with the White the effect is great; of easy culture. 10

Three Packets of Moon Flower, one or more kinds, 25c.

NIGELLA.  
MINA LOBATA.

A rapid and luxuriant climber for trellises, arbors, etc. Flowers tube-like, and borne 15 to 25 in number on graceful, drooping spikes from bottom to top of plant. Color, bright red, changing to orange, then cream. Tender annuals. Thirteen feet. 25



## MUSA ENSENTE—(Abyssinian Banana).

This is one of the grandest and most pictorial esque of the banana family; as a solitary plant or in groups on the lawn it has a very majestic and tropical effect. The leaves are very long and broad, of a beautiful green, with crimson midrib in striking contrast. If planted in a warm spot, in a well manured mixture of leaf mould, rich loam, and sand, it will attain a height of from 10 to 18 feet. An occasional application of liquid manure and frequent watering are necessary. If the seed is sown early in hot-bed and repotted several times, the plants will attain a height of over ten feet the first summer. The rapidity of its growth is astonishing. Tender perennial.

**MUSA**—Pkt of 5 seeds, 25c.; 5 pkts. for \$1.00.

## MORNING GLORY—(Convolvulus).

Is the best known and most popular annual climber we possess, growing 30 to 50 feet high; the seeds germinate so readily that they can be grown in the garden any place where the plants are needed. Furnish support early, either cord, wire or brush. (See cut, page 68.)

**CHOICE MIXED**—Many bright colors. (Post-paid), lb., 75c.;  $\frac{1}{4}$  lb., 25c.; oz., 10c. 5  
White ... 5 Blue ... 5 Striped ... 5

Rose ... 5 Blood Red ... 5

**COLLECTION** of above 5 distinct colors, 20c.

**AUREUS SUPERBUS**—A smaller flowering sort, with flowers of golden yellow. 10

**Variegated Leaf Morning Glory**—(*Ipomoea Marmorata*) Foliage beautifully striped and variegated; flowers of various colors. 10  
For Dwarf or Bedding Morning Glories see *Convolvulus Minor*.

## MIMULUS—(Monkey Flower).

Showy, profuse flowering plants, comprising numerous varieties, with white, sulphur, and yellow grounds, spotted with crimson, scarlet and pink; fine for greenhouse, or moist, shady situations; half-hardy perennials; blooming the first year from seed if sown early. The seed is very small and should be covered very slightly; one to one and a half feet.

**TICRINIS**—Fine mixed spotted varieties 5

**MOSCHATUS** (Musk Plant)—Fine for hanging baskets, etc.; small yellow flowers. The thin delicate leaves emit a pleasant must odor. 5

**CARDINALIS**—Upright, showy and profuse bloomers for borders. Large scarlet flowers. 1 to 3 feet.

**CUPREUS, PRINCE BISMARCK**—Dwarf; purplish carmine flowers; excellent for pots and very effective for masses and edgings. 10

**NICOTIANA**.

A very pretty, large, flowering tobacco. An effective plant for groups; half-hardy annual.

**Affinis**—Rosy blush produces freely; sweet-scented, large flowers; 2 feet. 10

**Colossea**—New giant; immense foliage. 25

**NIGELLA**.

**(Love in a Mist, or Devil in the Bush.)** A compact, free-flowering plant, with finely cut foliage, curious looking flowers and seed pods; of easy culture in any garden soil; hardy annual.

**Damascena**—Mixed, blue and white; one foot. 5

NASTURTIUMS—(*Tropaeolums*.)

Should not be plated in too rich soil. The dwarf varieties are among the most useful of annuals for bedding, massing, etc., owing to their compact growth, richness of color, and profusion of blooming. The tall sorts are admirably adapted for rock work, covering trellises, or rustic work. They remain in bloom a long time, and stand heat and drought without the slightest effect. The seed pods can be gathered while green and tender, for pickling.

**KING THEODORE**—Tall—Very fine; dark foliage and bright scarlet flowers. Oz., 25c. 5

**TALL VARIETIES, MIXED**—Containing many beautiful varieties; half-hardy annuals; 6 to 10 feet. Lb., \$1.25;  $\frac{1}{4}$  lb., 40c.; oz., 15c. ....

## Lobbs' Nasturtiums.

The brilliancy and profusion of blooming of the Lobbian varieties render them superior for greenhouse or conservatory decoration in winter; also for trellises, arbors and vases, etc., in summer; half-hardy annuals; 6 to 10 feet.

**SPITFIRE**—Brightest scarlet; very effective 5

**GIANT OF BATTLES**—Sulphur spotted red 5

**KING OF THE BLACKS**—Deepest brown 5

**MANY COLORS, Fine Mixed Varieties**, oz., 15c. ....

## Tom Thumb or Dwarf Nasturtiums.

Compact plants not over 1 foot high, making gorgeous masses of color.

**AURORA**—New. Deep chrome yellow, on spot, the lower petals blotched and veined with purplish carmine. ....

**EMPEROR OF INDIA**—A splendid new dwarf, with very dark leaves and crimson flowers. ....

**KING THEODORE**—Bluish green foliage, flowers velvety crimson; a fine bedder. ....

**KING OF TOM THUMBS**—Intense scarlet flowers, dark foliage; very handsome. Oz., 25c. ....

**LADYBIRD**—A new and distinct sort; rich golden yellow, each petal barred with a broad vein of bright ruby crimson; very showy. ....

**DWARF MIXED**—Many kinds. Lb., \$1.50;  $\frac{1}{4}$  lb., 50c.; oz., 15c. ....

## NEMOPHILA—(Love Grove).

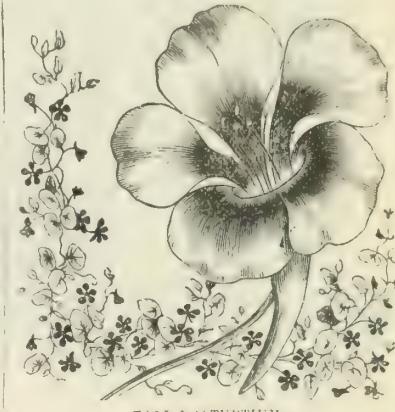
This popular plant is to be found in almost every garden, and has a secure place in the heart of every lover of flowers. Of dwarf and spreading habit, it is well adapted for border or pot culture. The flowers are exquisitely colored, blotched and spotted. They are quite apt to sport into an endless variety of shades. Hardy annual; six inches high.

**FINE MIXED**—All colors. Oz., 30c. ....

**DUBLIN, Pa.** (March 29, 1892).—"Your seeds and plants received in good condition in less than a week's time. Please accept thanks for extras and promptness in sending them so soon."—C. F. M.

**Winkle, O.** (April 18, 1892).—"Was much pleased on receiving my seeds so soon after sending. Thanks for the extras. You could not have made a selection of flower seeds that would have pleased me better."

PAUL G. COFFMAN



TALL NASTURTIUM.



MIMULUS.



NEMOPHILA.

## MIRABILIS—(See Four O'Clock).

## MOURNING BRIDE—(See Scabiosa).

## PERILLA.

Perilla Nankinensis is a very fine and dark ornamental-leaved annual. It has a broad, serrated leaf of a purplish mulberry color, and eighteen inches or more in height. Very desirable for center of bed of ornamental-leaved plants, and also for a low screen or hedge. 5

## PANSY



**LIVINGSTON'S FANCY MIXTURE**  
Seed saved from flowers of perfect form, rich colors and first-class in all points. Universally admired and **SURE TO PLEASE** all lovers of choice, large and fancy Pansies. Three pkts. for 60c. Pkt. .... 25

**GIANT TRIMARDEAU**—*Flowers of enormous size*. An altogether distinct and beautiful new race, the flowers of which are larger than any hitherto produced. Each flower is marked with three large blotches of spots, and the plants are of compact growth and produce an endless variety of beautiful shades. **Mixed**. .... 15

**Giant Trimardeau Yellow**—Large black eye, one of the finest and showiest. .... 15

**Giant Trimardeau White**—A most valuable addition to this family. Flowers very beautiful, white with purple eye. .... 15

**Giant Striped**—Flowers of enormous size, beautifully striped. .... 15

**CASSIER'S VERY LARGE-FLOWERED; BLOTTED**—Seeds saved from very large and beautifully blotched per cent flowers; a rich and showy strain. .... 15

**SPECIAL PANSY OFFERS.** We offer purchasers choice of one or more kinds from the following collections. 25c.; seven 10c. pkts. 50c.; five 15c. pkts. 60c.; three 20c. pkts., 50c.

Selection of varieties, will be mailed for only \$1.00.



## PORTULACA

**ROSE MOSS**—Should be in every garden. There scarcely any flower in cultivation that makes such a dazzling display of beauty as a bed of many hues, high ly colored Portulacas. They are in bloom from about the 1st of July till killed by the frost in autumn. Plant in open ground after it has become warm. They delight in a light, sandy soil, and in a dry situation. After they appear, withhold water, and if the bed has a full exposure to the sun, the ground will be covered with the plants, and the effect will be beautiful. Tender annual; nine inches high.

The blossoms of the **DOUBLE VARIETIES** are about one and a half inches across, perfectly double, and of many colors. Not all the plants will be double, but the single ones can be pulled out. They will stand any amount of dry weather.

**FINEST SINGLE MIXED**—Many beautiful sorts. Four packets, 15c. .... 15

**DOUBLE ROSE-FLOWERED**—As double as the most perfect rose, also striped. **MIXED COLORS** of first quality. Three packets, 25c. .... 10

## PANSIES.

shape and color, and no flower is more popular with florists and amateurs, giving abundance of bloom until after severe frosts, enduring our hard winters with safety, and greeting us in the earliest spring with a profusion of bright blossoms. It will flower better in the middle of summer if planted where it is somewhat shaded from the sun, and furnished with a good supply of water, but in almost any situation will give fine flowers in spring and autumn. Pansy seed may be sown in the hotbed or open ground; if sown in the spring, get in as early as possible, so as to have the plants in bloom during the early rains; is easily transplanted. Seeds sown in a cold place in June or July, and watered until up, will produce fall flowering plants; if sown in October they will flower in early spring. To have good flowers the plants should be vigorous, and make a rapid growth. Young plants give the largest flowers.

**OUR PANSY SEED IS THE BEST TO BE OBTAINED.**—This favorite flower is one of our specialties and the following varieties and mixtures are secured from specialists in Europe and elsewhere *regardless of cost* with the greatest confidence. No one can offer better stock, although their prices may be higher. At the prices quoted we give liberal size packets according to the quality of the seed.

**RED VICTORIA**—This is a new color among Pansies. The large blooms are of good substance and form, and deep claret red. The best of its class. .... 15

**GIANT BUCNOT'S (Very Large Stained)**—This is a very large flowering race, plants vigorous, with short stalks bearing well above the foliage, large flowers, which are at the same time of fine form and substance; very brilliant and varied in coloring. **Mixed**. .... 20

**NON PLUS ULTRA**—A very choice mixture of finest varieties. The finest mixture ever sent out by a noted German nursery specialist. .... 15

**PEACOCK (New)**—A striking novelty, the form and substance of the flower is very perfect, the upper petals being of a beautiful ultramarine blue, resembling in shade the peacock feather, while the lateral and lower petals are of a deep claret, with white margins. .... 20

**ODIER (Five-Blotched)**—A beautiful strain of various colored, large, handsome, perfect formed flowers, dark spots on each petal. .... 15

**EMPEROR WILLIAM**—Large, handsome flowers, borne in great profusion. Well above the foliage, brilliant ultramarine blue, with a purple violet eye. .... 10

**BLACK BLUE**—Very rich and constant. .... 5

**LORD BEACONFIELD**—A highly attractive and large flowering variety; deep violet shading to heliotrope, lavender and white on the upper petals. .... 10

**Quadricolor, or Pheasant's Eye**—One of the prettiest and most peculiar; the flowers are of a reddish steel blue, with red and white edge. .... 15

**BELCIAN STRIPED**—A lovely class, bearing beautiful flowers of various shades. .... 10

**ENGLISH "FACE" PANSY**—Flowers light and dark blue in color, each marked with a distinct "face". .... 10

**AZURE BLUE**—Extra fine. .... 5

**LICHT BLUE**—Lovely shades of sky blue. .... 5

**YELLOW CEM**—Without eye; very fine. .... 5

**DARK PURPLE**—Rich deep purple; fine. .... 5

**MAHOCANY COLORED**—A very fine variety. .... 5

**SNOW QUEEN (Snowflake)**—Very large; satiny white. .... 5

**KING OF THE BLACKS (Faust)**—Almost black, the darkest Pansy known. .... 10

**SILVER-EDGED**—Dark purple with a distinct white edging, a most charming pansy. .... 10

**INTERNATIONAL MIXTURE**—A favorite mixture with many growers. .... 15

**LARGE FLOWERING, VERY FINE MIXED**—Embracing many separate colors and choice kinds. Four pkts. for 30c. .... 10

**GOOD QUALITY MIXED**—Four pkts., 15c. .... 5

Thirteen Packets of the brightest Pansies, our selection of varieties, will be mailed for only \$1.00.

**PRIMULA**—(Chinese Primrose).

Charming, profuse blooming plants, indispensable for winter and spring decoration in the house. Seed should be sown in February or March in a light, sandy soil, but slightly covered, and kept moist. Transplant as soon as the second leaves appear, and continue shifting the plants as they grow. Our seed is imported direct from the best European growers.

**SINGLE FRINCE WHITE**—Large flowering; an excellent strain ..... 25

**BRIGHT RED**—Single large flowering; fringed. A very effective new color ..... 25

**LARGE SINGLE FLOWERING FRINCE**—This is a superb mixture, and will give the greatest satisfaction. 25

**DOUBLE MIXED**—Very fine. Flowers extra fringed ..... 50

**DOUBLE WHITE FRINCE**—Extra choice ..... 40

**OB CONICA**—A lovely and profuse blooming Primrose, bearing on long stems, heads containing 10 to 15 beautiful flowers. White shaded, occasionally with a tinge of lilac; an EVER-BLOOMING plant, producing elegant clusters of flowers which have the true Primrose fragrance ..... 10

**FLORIBUNDA**—One of the prettiest and best blooming of all the Primroses; is readily raised from seed, and is one of the Obconica type, differing in color of the flower, which is a lovely shade of primrose yellow. Very fragrant and free blooming; will thrive under window cultivation ..... 20

**HARDY PRIMROSE.**

Beautiful early spring flowers, fine for borders, rock-work, etc.

**VULGARIS**—The old fashioned common yellow Primrose ..... 10

**AURICULA**—Extra choice mixed ..... 15

**JAPONICA** (Japanese Primrose)—One of the most beautiful. Bright, showy flowers, borne on stems 6 to 9 inches high. Seed is usually slow to germinate. Mixed colors ..... 10

**CASHMERICANA**—The earliest perennial Primula; quite hardy, but needs protection in winter; umbels of beautiful rosy lilac flowers, with yellow eye. 25

**PENTSTEMON.**

Few surpass this popular and one of our most beautiful and attractive hardy plants. Bears long, graceful spikes of rich-colored flowers; will bloom in June the first season if sown early in March and planted out in May; indispensable for beds, borders and cut flowers. They should be planted in a rich open soil, and protected during winter. Half-hardy perennials; two feet.

**LARGE FLOWERING**—A splendid mixture ..... 10

**PICOTEE**—(See Carnation).

**PINKS** (See Dianthus).

**ROCKET** (Hesperis).

The SWEET ROCKET produces clusters of flowers which are very fragrant during the evening. Seeds readily germinate in the open ground, with very little care. Hardy perennial; 1½ feet high.

**PURPLE** ..... 5

**WHITE** ..... 5

**RICINUS**—(Castor Oil Bean.)

Stately strong growing plants, with very ornamental foliage, particularly adapted as center plants of groups of Cannas, Japanese Maize, Caladiums, Dahlias, etc. Of very quick growth in rich soil.

**Cambogia**—New—Large palm-like leaves of a bronzy-red maroon; stalk and stems nearly black. 6 to 8 feet ..... 10

**Borbonensis Arboreus**—Showy foliage; 15 feet ..... 5

**Sanguineus**—Splendid red fruit in clusters; blood red stalks ..... 5

**Ciganteus**—Leaves of immense size, richly veined and marbled; 10 feet ..... 5

**MIXED**—Many good sorts. Oz. 2¢

**PETUNIA.**

Petunias are unsurpassed, if indeed equalled for massing in beds. Their richness of color, duration of bloom and easy culture, will always render them welcome and popular. They will do well sown in open border in the spring, or earlier in cold frame or hot-bed, and transplanted eighteen inches apart. By the latter process they will come into bloom much earlier, though they will do perfectly well sown in open ground. Be careful not to cover the small seeds to deeply; they like a sandy loam. Hardy annual.

**SINGLE VARIETIES, SUITABLE FOR BEDDING.**

**DWARF INIMITABLE**—A dwarf variety, forming a compact little plant, 5 to 8 inches in height by as much in diameter, covered with regularly striped flowers. 10

**COUNTESS OF ELESMORE**—Deep rose, white throat ..... 5

**BLOTCHED AND STRIPED** ..... 5

**EXTRA FINE MIXED**—A great variety of colors and many kinds, including some choice large flowering sorts. 10

**FINE MIXTURE** ..... 5

**LARGE FLOWERING—FANCY HYBRIDS.** THREE WE OFFER IS THE BEST TO BE OBTAINED

**SINGLE FRINCE LARCE FLOWERING**—INC—Extra fine mixed; beautiful; very large ..... 25

**DOUBLE FRINCE LARCE FLOWERING**—Very choice fringed ..... 25

**DOUBLE LARCE FLOWERING—All Sorts**—A superb mixture ..... 25

**PYRETHRUM**—(Feverfew).**YELLOW FOLIAGE SORTS FOR BEDDING.**

Dwarf growing plants, extensively used for ribbon and carpet bedding; the plants grow about 10 to 12 inches high, with foliage of bright yellow. These are usually grown as annuals, although they are perennials.

**AUREUM** (Golden Feather)—Foliage deeply cut and fringed; a rich golden-yellow color. Four inches, ¾ oz.; 25c. 5

**GOLDEN CEM**—Double white flowers; golden-yellow foliage ..... 5

**SELACINOIDES** (Fern-Like)—Distinct; handsome golden foliage. 6 inches. 10

**HARDY, FLOWERING VARIETIES.**

Valuable hardy border plants, throwing up numerous stems about two feet high, each surmounted with large flowers 3 or 4 inches across, of bright colors, such as rose, flesh, pink, crimson, etc. They remain in bloom a long time.

**Single Large Flowering Hybrids**—

—Mixed ..... 10

**Double L'ge Flowering Hybrids**—

—Mixed ..... 25

**Roseum** (Persian Iris—Powder Plant)—Rose color. 1 foot ..... 10

**Cinerariaefolium**—(Dalmatian Insect Powder Plant) ..... 10

**PASSION FLOWER.**

A most interesting and well-known order of climbers of rapid growth, with singular purplish flowers, two inches in diameter; well adapted to house culture in winter, or for training over porches, etc., or in sunny positions in the open ground in summer

**CERULEA**—

**INCARNATA**—(Southern "May Pops," "Mammoth Passion Flower")—This singular and beautiful climber will flower the first season from seed if started early, and it is a remarkably pretty vine. The flowers, three to four inches across, are of a flesh white with purple rays; these are followed by beautiful golden edible fruits the size of a hen's egg, of a delightful flavor, and relished by many. The roots are hardy, although the vine dies down in the winter, but comes up again in the spring. The plants can be potted for winter decoration.

**PASSION FLOWER ROOTS**—In order to have EARLY flowers the first season, IT IS BEST to procure roots. **Cod Roots** (postpaid). 15 ets.: 2 for 25 ct.



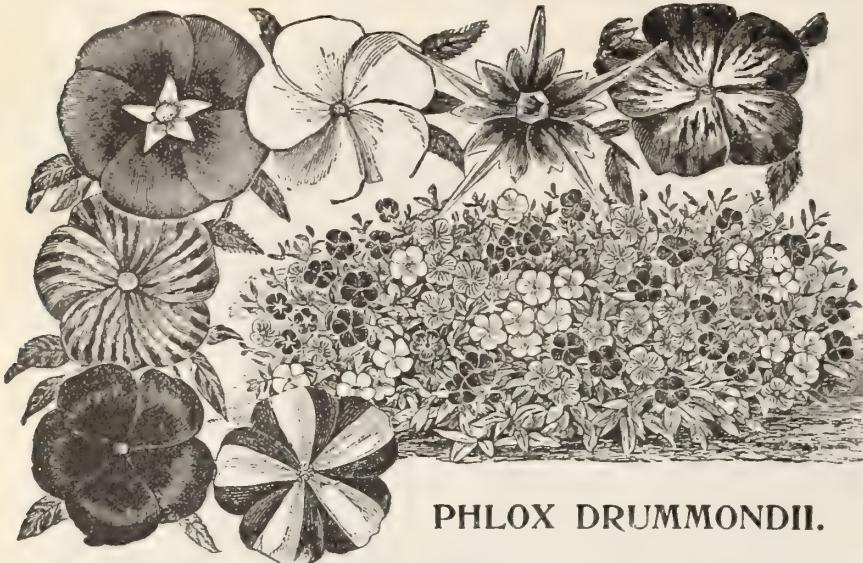
PETUNIA.



PRIMULA.



PASSION FLOWER INCARNATA.



### PHLOX DRUMMONDII.



NEW DOUBLE YELLOW PHLOX.

THE Phlox Drummondii for splendid mass of colors and a constant display, is not excelled by any other annual or perennial. It has every desirable quality for this purpose. The colors range from the purest white to the deepest blood purple or crimson. Seed may be sown in the open ground in May, or in hot-bed or cold frame earlier; and in either case, from June, during the summer and autumn, they make a most brilliant bed of showy, yet delicate flowers, blooming continually until frost. A good ribbon bed of the Phlox is a most dazzling sight, and there is nothing so cheap. In a good rich soil it will grow 18 inches or more in height. Set the plants about one foot apart: easily transplanted.

**WILLIAM I.**—Crimson striped. Pkt. 5c. **BRILLIANT SCARLET** 5  
**DEEP BLOOD PURPLE (BLACK WARRIOR)**—Extra..... 5  
**ALBA**—Pure white. Pkt. 5c. **ROSE**—New charming..... 5  
**MANY CHOICE VARIETIES MIXED**—Oz., 50c.,  $\frac{1}{2}$  oz., 30c..... 5  
**STAR OF QUEDLINBURG (FRINGED PHLOX)**—The center of each petal runs out into a point  $\frac{1}{4}$  to  $\frac{1}{2}$  of an inch beyond the edge, which gives the flowers a regular star-like form; the plant grows about 1 $\frac{1}{2}$  feet in height, of compact habit, and bears large umbels of flowers. They are as easily grown as the common Phlox and flower just as profusely during the entire summer. **Extra Fine Mixed Seed**, comprising many varieties of this odd and beautiful strain. Three packets, 25c..... 10  
**PHLOX NANA COMPACTA**—New Dwarf Sorts.—A quite distinct strain of dwarf and compact growth; very desirable for pot culture and ribbon bedding. 9 inches. **Choice Mixture**, 3 pkts., 25c.... 10

They are perfectly hardy, and need no protection; will flourish in any soil, succeeding better, however, in deep, rich, rather moist ground. **BEST MIXED**—Saved from the newest sorts..... 10

**NEW DOUBLE YELLOW**—Of late years several semi-double flowering Phloxes have been introduced, the value of which as cut flowers will have been recognized by those who have tried them. The very pretty yellow flowering variety which we now offer comes quite true from seed, and possesses a slight perfume..... 25  
**NEW DOUBLE WHITE**—Produces charming double white flowers, 60 to 70 per cent. being perfectly double in perfect form and large masses..... 20

**NOTE.**—In order to produce the best double flowers they should be grown in a light soil.

### PHLOX GRANDIFLORA—LARGE FLOWERING.

We have a splendid strain of this great favorite. Our mixtures contain a large variety of the finest and most brilliant colors.  
**GRANDIFLORA COCCINEA STRIATA**—scarlet; striped; fine..... 10  
**GRANDIFLORA ALBA**—Pure white; beautiful; "A 1"..... 10  
**VIVID CRIMSON**—Large flowering..... 10  
**GRANDIFLORA, OUR OWN MIXTURE**—All choice colors..... 10

### PERENNIAL PHLOX.

They are perfectly hardy, and need no protection; will flourish in any soil, succeeding better, however, in deep, rich, rather moist ground. **BEST MIXED**—Saved from the newest sorts..... 10

**Select any Three 10 cent pkts. of Phlox for 25c., or Seven pkts. for 50c. (two five cent packets count the same as one ten cent.)**



THE SHIRLEY POPPY.

### • LIVINGSTON'S POPPIES. •

Showy and ornamental plants with large flowers of brilliant colors. Very attractive in large beds, clumps, and mixed borders. They are of easy culture, and will succeed in any garden soil, flowering in great profusion all summer if sown early in the spring. The seed should be sown where it is to remain, as they do not bear transplanting. Two feet. Hardy annual.

**NEW TULIP POPPIES.**—A magnificent species from Armenia. The plants grow about 14 inches high and produce from 50 to 60 large and splendid flowers of the most dazzling scarlet imaginable. The two outer petals resemble a saucer in which are set two erect petals of the same color. No mere description will give an adequate idea of the strikingly beautiful effect of a bed when the plants are in full bloom, the color being of such glowing richness as to perfectly dazzle the eye. This Poppy derives its name from its striking resemblance of color with the well-known Scarlet Due Van Tholt Tulips..... 10

**FAIRY BLUSH.**—The immense globular flowers of this distinct Poppy are perfectly double, and measure from 10 to 13 inches in circumference; the petals are elegantly fringed and pure white, except at the tips, where they are distinctly colored with rosy cream; a light shading of lemon at the base of the central petal give the flowers an appearance of great depth. The flowers at a little distance have the effect of large white, feathery balls, overcast with a rosy shade, while a close examination only discloses additional beauties..... 10

**SHIRLEY POPPIES.**—A new strain of marvelous beauty. The colors range through all shades of delicate rose, pink, carmine and brilliant crimson. Many of the flowers are edged with white and the petals have a glossy silk-like texture..... 10

**SNOWDRIFT**—Pure snow-white, extremely double flowers of perfect form; large size 10

**NUDICAULE**—Yellow; white and bright orange mixed, very beautiful and effective..... 5

**ORIENTALE**—Large, gorgeous, scarlet blossoms; bottom of petals black; beautiful; one of the showiest of hardy perennial Poppies. 5

**OUR MIXTURE**—This mixture is composed of many excellent sorts and colors, and will surely please..... 5

**Any six 5 cent or three 10 cent pkts. of Poppies for 25 cents.**

(My Prized sort of the species, 1 oz. specimen flowers of the Orientale (Poppy the past season measuring 8 and 9 inches across.)

Try a packet of SHIRLEY, FAIRY BLUSH, TULIP and SNOWDRIFT for 25c. old, and you will be delighted with the result.

**RODANTHE.**

Well-known everlasting flowers, valuable for winter bouquets, but especially desirable as a bedding plant and for pot culture. For winter bouquets they should be cut before fully expanded, and, if dried in the shade, will retain their brilliancy for years. The leaves are heart-shaped and lustrous, and the calyx long, scaly and shining. Seeds should be started in hot-beds and the plants transplanted to a warm situation one foot apart. Half-hardy annual, one foot high.

**ATROSANGUINEA**—Flowers purplish-crimson;

very fine..... 10

**ALBA**—Silvery white..... 5

**MACULATA**—Rosy crimson, yellow center..... 5

**NEW DOUBLE**—Bright rose; splendid..... 10

**DOUBLE WHITE**—Fine..... 10

**MANY COLORS MIXED**—Large Pkt., 10c..... 5

**SALPIGLOSSIS.**

**VELVET FLOWER OR POINTED TUBE TONGUE.**—Showy bedding or border plants, with richly colored, erect funnel-shaped flowers. The colors beautifully marbled and penciled purple, scarlet, crimson, yellow, blue and black. Plant in warm, rich soil. A very fine annual.

**GRANDIFLORA**—New large flowering. **Mixed**..... 5

**Choice Mixed Colors**..... 5

**SALVIA**—(Flowering Sage.)

The **Salvia** is a very ornamental plant, flowering in spikes, and continues to bloom in open ground until frost, when plants can be removed to the greenhouse and will continue to bloom a long time. Plants may be started in a hot-bed, and transplanted to light, rich soil, about one foot apart. Tender annual.

**PATENS**—Brightest and bluest of all blue flowers. 20

**ARCENTEA**—Silvery-white foliage; white flowers. 10

**SPLENDENS**—Gorgeous plants, with spikes of intensely vivid scarlet flowers; flower spikes are numerous and 10 to 12 inches in length. Continue to flower profusely all summer, and until killed by late frosts. Of the easiest growth, and should be in every garden.  $\frac{1}{2}$  oz., 50c; 3 pks. 25. 10

**SAPONARIA**—(Bouncing Bet.)

Beautiful compact-growing plants with masses of miniature cross-shaped flowers, blooming throughout the summer and late in the autumn; annual.

**MIXED**—All colors; six inches..... 5

**SENSITIVE PLANT.**

A curious and pretty annual plant; the leaves and foot stalks close and droop at the slightest touch, or in cloudy, damp weather, and during night; easily grown; seed may be started under glass and transplanted to open ground when the weather is warm. A plant or two reserved for the house will afford much amusement during the winter. 5

**SILENE**—(Catch Fly.)

A beautiful, early, free-blooming plant, adapted for beds, borders or ribbon-gardening; of easy culture; growing in any garden soil; 1 foot.

**American Mixed**—Red, white and rose..... Oz., 30 5

**Pendula**—Red. Pkt., 5c. **Pendula Alba**—White 5

**Pendula Flore Pleno**—Producing in profusion charming double rose-colored flowers. 5

**SMILAX.**

Charming tender perennial climber for greenhouse or window gardens; it forms "strings" about six feet long, which are extensively used for decorating, and is grown in immense quantities by American florists. The foliage and stems are of a pleasing light green, very graceful and delicate and remains fresh after being cut for several days. 10

**SCHIZANTHUS**—(Butterfly Flower.)

Beautiful plants for out-door decoration. Easily cultivated; of bright colors and useful for bouquets. Half-hardy annuals, 2 to 3 feet high, and bears hundreds of flowers. **Best Varieties, Mixed**..... 5

**SEDMUM**—(Stone Crop.)

A very interesting and pretty little dwarf annual, growing freely on rock or rustic work, where, during the summer, it expands its beautiful star-shaped flowers in great profusion. Desirable for hanging baskets. **Cœruleum**—Blue. 5

**SOLANUM.**

A shrub with fine foliage, but especially admired for its small pepper-shaped scarlet fruit.

**Capsicum**—(Jerusalem Cherry)..... 5

**Hendersoni**—Orange-scarlet berries, excellent or-

namental pot plant..... 10

**Wetherill's Hybrids**—Very choice..... 5

**SWEET WILLIAM**—(Dianthus Barbatus.)

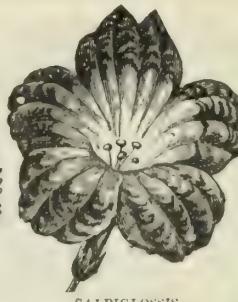
A very beautiful class of plants of extreme richness and diversity of color. They have been greatly improved of late years; 1½ feet; hardy perennials.

**Fine Mixed Single**—All colors..... 5

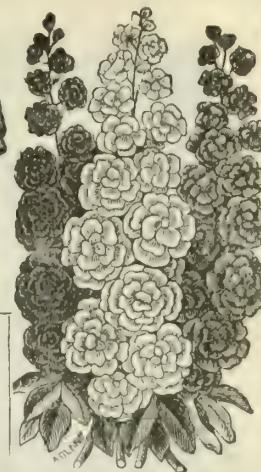
**Double Flowering**—Mixed; splendid collection 10

**SENECIO**—(See Japonica.)

RODANTHE.



SALPIGLOSSIS.



LARGE FLOWERING STOCKS.



SWEET WILLIAM.



SENSITIVE PLANT.

**SCABIOSA** (MOURNING BRIDE.)—Very useful and ornamental plants with rich and beautifully colored flowers; effective for beds or borders; excellent for cutting. This old and well-known annual is not as generally cultivated as it deserves.

**NEW DOUBLE GOLDEN YELLOW**—See Novelties.

**TALL GERMAN**, mixed—All colors; 2 feet..... 5

**DWARF DOUBLE**, mixed—Compact habit, profusely bearing extremely double flowers of great beauty; 1 foot..... 5

**SNOWBALL**—Elegant double white flowers; charming for bouquets; 1 foot..... 10

**SUNFLOWER**—(See *Helianthus*.)

**STOCKS** (GERMAN TEN WEEKS)—(GILLYFLOWER)—Stocks have for many years been a general favorite, but of late years the Germans have grown them in such perfection that they are considered almost indispensable where a fine display is wanted. In brilliancy of color and general effect they are unsurpassed. Equally fine for bedding, borders, massing or for pot culture. The Ten Weeks Stocks will bloom about ten or twelve weeks after being sown. For early flowering sow in the house in February or March, and plant in the open ground in May. A little shade from the hottest sun, and water in the evening, will add much to the size, beauty and durability of flowers. We import our seed direct from one of the best growers in Germany.

**NEW WHITE MAMMOTH**—A grand novelty of high

merit. The plant is of robust growth; grows three feet in open ground, and produces only a single strong spike about one foot in length, closely covered with enormous large, faultlessly shaped flowers of purest white. The luxuriant growth and the large white flowers make it particularly valuable for groups. 25

**Largest - Flowering Dwarf**—Magnificent spikes of very large double flowers; all colors. Mixed..... 5

**Dwarf German Ten Weeks**—Large flowering; fine mixed..... 5

**Large-Flowering Pyramidal Dwarf**—Pyramidal habit; long spikes of large double flowers; many choice colors mixed..... 10

**Large-Flowering Wallflower Leaved**—Smooth, dark, shining leaves like the Wallflower; dwarf habit. Mixed colors..... 10

**SNOWFLAKE, Dwarf Forcing Ten Weeks**

—This new variety of Dwarf Wallflower-leaved Large Flowering Stock is the earliest white and one of the earliest of all Ten-Weeks Stocks, and admirably adapted for forcing; the snow-white flowers are uncommonly large and very double..... 10

**Victoria Bouquet, Dark Blood Red**—Very fine new sort..... 10<sup>1</sup>

**Ciant Perfection**—This sort produces plants 2½ feet high, with long flower spikes of extra double handsome flowers; very effective in beds and borders. Choicest mixed..... 10

**Snow White, Shining, Large Flowered**—Splendid. Earliest variety, of dwarf, compact habit; very double pure white flowers..... 10<sup>1</sup>

**PRINCESS ALICE**—(Cut and Come Again)—A fine perpetual blooming Stock. If sown early, it commences blooming in June and continues to bloom until destroyed by frost. Its most valuable feature is that it produces perfect flowers during September and October, when other varieties sown at the same time have faded. It throws out numerous side branches bearing clusters of very double pure white fragrant flowers, and is excellent for cutting. Two feet high..... 10

**Intermediate or Autumnal**—These are prized on account of their flowering late in autumn or early in spring. Seeds should be sown in May. **Finest Mixed**..... 10

**Emperor, or Brompton**—These make very bushy and branching plants, with an abundance of large flowers. Sow in July or August. Will last several years when protected. **Mixed Colors**—A fine mixture..... 10

**STEVIA.**

Very pretty perennials, which furnish excellent material for bouquets; eighteen inches; bloom from seed the first year.

**Serrata**—Flowers white, star-shaped; leaves fragrant; two feet..... 10

**Purpurea**—Flowers pinkish red; very useful for bouquets; 18 inches..... 5

**SWEET SULTAN**—(Centaurea Moschata.)

Sweet-scented, profuse flowering, showy plants of easy culture, and very effective in shrubberies. Hardy annual.

**Mixed**—Very purple and white..... 5

LIVINGSTON'S

## SWEET PEAS.



Very beautiful, free-blooming climbers, very profitable to grow because the cut bloom meets with ready sale in any market. One of the most popular flowers in cultivation and sure to please under the most ordinary treatment: a favorite flower with everybody for personal wear or table decoration. The strain we offer is unequalled, and contains many of the finest old and new colors. Prized not only for the beauty of the flowers, but also for their delightful fragrance; easily grown, and invaluable for trellis work, covering walls, unsightly objects, etc. Plant four inches deep, very early in the spring. Hoe the earth toward the vines without ridging, and give support for the vines to run upon. Hardy; 6 feet high.

## NEW AMERICAN SWEET PEA—BLANCH FERRY—One of the most popular varieties ever introduced. It is earlier and

hardier than any other, of dwarf and compact growth; can be grown without support; desirable for forcing; the very sweet flowers are of large size and are produced in great profusion; of a beautiful pink and white color. 4 oz., 30c.; oz., 10c. .... 5

ORANGE PRINCE—Of rare beauty; bright orange-pink, flushed scarlet; wings rich rose, veined with pink. Oz., 30c. .... 10

SPLENDOUR—Rich bright pinkish rose, shaded with crimson; flowers large and of fine form. Oz., 30c. .... 10

QUEEN OF ENGLAND—Grand, pure white flowers of extra large size, specially choiced. Oz., 20c. .... 10

PRINCESS OF WALES—Shaded and stained with mauve on a white ground, in the most pleasing manner. Oz., 15c. .... 10

QUEEN OF THE ISLES—A beautiful variety; large flowers handsomely mottled and striped with blue and red. Oz., 30c. .... 10

GRAND BLUE—This is one of the most effective and handsome. It has bright, pure blue wings, slightly shaded with mauve, standard being a deep rich purple touched with rose. Oz., 20c. .... 10

INVINCIBLE CARMINE (Cardinal)—Flowers of this beautiful variety are intense crimson carmine; brightest colored of all Sweet Peas. Oz., 20c. .... 10

SA ECKFORD— creamy white, suffused rosy pink. Oz., 20c. .... 10

DONIS—Charming rosy pink color. Oz., 15c. .... 5

APPLE BLOSSOM—Pinkish Rose, wings blush. .... 10

CREATTON—Crimson color, shaded rose. Oz., 15c. .... 5

UTTERFLY—White, laced with blue. Oz., 15c. .... 5

ROWN PRINCESS OF PRUSSIA—Bright blush. Oz., 15c. .... 5

AIRY QUEEN—Flesh color. Oz., 15c. .... 5

Eckford's Gilt Edge Mixture—Possesses the same delicious perfume as the ordinary varieties, but the flowers are double the size; more perfect in form, and present combinations in marking and colors heretofore unknown. 4 oz., 40c.; oz., 15c. .... 10

Eckford's Fine Mixed—Four oz., 30c.; oz., 10c. .... 10

UR OWN MIXTURE—None surpass this make up from finest new sorts. POSTPAID: Lb., \$1.25;  $\frac{1}{4}$  lb., 25c.; 2 ozs., 20; 1 oz., 10c. .... 10

FINE MIXED—ALL SORTS AND COLORS (postpaid): Lb., \$1.00;  $\frac{1}{4}$  lb., 30c.; oz., 10c. .... 5

PERENNIAL, OR EVERLASTING PEAS—Perennial climbers, suitable for trellises, arbors, etc. They die down every year and start again in

SPRING. Hardy perennial; 5 to 6 feet. ROSE, WHITE, or MIXED, each. .... 5

PLENDENS (Pride of California)—Brilliant, rosy red. .... 10

Any seven 5 cent packets for 25 cents; or three 10 cent and one 5 cent.

BOYS AND GIRLS. Money in Growing Sweet Peas. The Cut Bloom "SELLS LIKE HOT CAKES." Try It.

## HUNBERGIA—(Black-Eyed Susan).

A trailing or climbing plant with very pretty flowers of various shades of yellow and white, and having a dark center or eye. Finely adapted for vases, hanging baskets, and for piazza decoration; does well indoors or out; profuse bloomer with handsome foliage. **Fine mixed** ..... 5

DRENIA—Beautiful plants for vases, baskets, etc.; they bloom continually during the summer in open ground, and also in the inter in the green-house.

OURNIERI—Lovely, velvety-blue flowers, with three large spots of darkest blue and a bright yellow throat. Flowers are produced in great abundance, the plants being covered with one mass of bloom until frost. .... 10

ALERIANA—(Hardy Heliotrope). Showy border plants, or for mixing with shrubs; grows in any garden soil; does well in the shade; produces large crops of flowers. Hardy perennial; 2 ft. **MIXED**—Bright red and white 5

VINCA—(Periwinkle). Free-flowering greenhouse perennials with silvery green foliage and beautiful circular flowers shown early under glass and transplanted in a warm situation, will bloom in the summer; may be potted for the house before frost.  $\frac{1}{4}$  feet. .... 10

COLOMBO—Crimson eye, 10. **WHITE**—Crimson eye, 10.

**MIXED VARIETIES** ..... 5



## VERBENA.

No plant is more generally cultivated than the Verbena and no plant excels it for masses in beds or on the lawn. Seedlings are stronger and more vigorous than plants from cuttings, and are usually fragrant, especially the light colors. The seeds sprout very unevenly, some not coming up for six weeks after others. They flower perfectly well from seed sown in spring. If started in the house in pots or shallow boxes in winter, they will bloom sooner. Transplant as soon as plants are two inches high, two feet apart each way.

**SCARLET DEFiance**—Bright, rich scarlet. 10

**AURICULA—FLOWERED**—Splendid large flowers, bright colors with large white eye. 10

**VENOSA**—Produces many lilac flowers well adapted for bedding. .... 5

**LEMON VERBENA (Citriodora)**—Sweet scented foliage, very popular. .... 10

**NEW MAMMOTH—Large Flowered**—A superb and distinct class, with flowers of an immense size. Our seed is saved from the very best flowers only. .... 10

**PURE WHITE (Sea Foam)**—A fine, large flowering, pure white sort. .... 10

**BLUE WITH WHITE EYE**—Large, black-blue, with white eye; very showy. .... 15

**ITALIAN STRIPED**—Very showy striped flowers of many bright colors. .... 16

**LUTEA (Primrose)**—Straw yellow. .... 10

**COLDEN-LEAVED**—Leaves of a clear yellow shade; flowers scarlet. .... 20

**HYBRIDA—Choicest mixed**—Saved only from the most beautiful named flowers; give the highest satisfaction. .... 15

**FINE, mixed, pkt., 10c. **COOD, mixed**** ..... 5

**NEW DWARF VERBENAS**—Of erect, dwarf and compact habit, forming neat globular pyramids only about six inches high, well adapted for carpet bedding and pot culture; a decided improvement on the older varieties with trailing habit. .... 10

**DWARF WHITE** ..... 10

**EXTRA MIXED**—Very dwarf, many colors. .... 10

**TROPOEOLUM (See Nasturtium)**



SWEET VIOLET.



WHITE VERNIA.



DOUBLE WALLFLOWER.



ZINNIAS.

**VIOLET.**

The Violet should not be wanting in any garden, on account of its fragrance and early appearance. A single flower will perfume a whole room. They are well adapted for border or rock work, and commence putting forth their beautiful double and single blossoms in April, and continue through May. Succeeds best in a shady sheltered place and can be easily increased by dividing the roots. Seeds require months to germinate. Hardy perennial; 4 inches.

**BLUE SWEET VIOLET.** ..... 10  
**THE CZAR.**—The largest flowering and richest colored deep blue Sweet Violet in cultivation. Splendid for forcing.

**WHITLAVIA.**

The Whitlavia is a good plant for baskets, vases or pots. A pretty plant with delicate, handsome foliage, producing a constant succession of bright blue and pure white bell-shaped flowers in drooping clusters half an inch in length. Succeeds best in light, sandy soil. Sow seed in open border early in spring. Hardy annual; one foot high. **Mixed** ..... 5

**WALL FLOWER.**

Well-known deliciously fragrant garden plants, blooming early in the spring, with large conspicuous spikes of beautiful flowers; they should be protected in a cold frame in winter, and planted out in May. Much prized for bouquets; half-hardy perennials.

**Single Mixed**—All colors; 2½ feet ..... 5  
**Finest Double Mixed**—All colors; 2 feet ..... 10

**YUCCA.**

Erect and noble plants, with long, narrow, sharp-pointed leaves, with a peculiar tropical aspect.

**Filamentosa**—Is the hardiest, and will endure the winter in most parts of the country. Sends up a strong flower stem in the middle of summer, bearing a large spike of whitish flowers. 10

**KERANTHEMUM.**

**EVERLASTING FLOWERS**—Very desirable for winter decoration; of neat, compact habit, free-flowering, and of the easiest cultivation. The leaves are covered with a silvery down, and the flowers are pure white, deep purple and yellow; hardy annual; 2 feet.

**Mixed, all colors** ..... 5  
**Superbissima, Mixed**—New variety of dwarf habit and very double flowers of various colors. One and one-half feet ..... 10

**WILD FLOWER GARDEN**—Each packet contains a great variety of pretty flowers of easy growth. The mixture will be found to be both interesting and useful. Interesting because new flowers open daily, "and you know not what a day may bring forth." It will be found very useful, for here you may get your bouquets without fear or favor, whenever you choose, and thereby save those in beds or borders; also especially adapted for producing a display on large borders, or sowing along woodland walks, for hiding an unsightly fence or stump, etc., and will convert any dreary spot into a wilderness of bloom and fragrance.

Pkt., 10c.; oz., 25c.; ¼ lb., 75c.; 1 lb., \$2.50.

**ORNAMENTAL GRASSES**—Very beautiful, and extensively used in the arrangement of winter bouquets and in other home decorations. Should be cut while fresh and green, and hung in a dry and airy place in the shade. All best varieties, mixed, including Pampas, Feather, etc. Pkt., 10c; 3 pkts., 25c.

**50 Cts.—A SUPERB FLOWER SEED COLLECTION**—50 Cts.

85c. worth for 50c. consisting of one Packet each, as follows:

Sweet Peas	10	Annual Pinks	5
Verbena Hybrida	15	Sweet Mignonette	5
Phlox Drummondii	5	Superb Asters	10
Fancy Pansies	25	Shirley Poppy	10

Each Variety is a Choice Mixture of the Best Colors of all the New and Rare Kinds, and are Prepaid by Mail for 50c.

ALL LOVERS OF FLOWERS SHOULD TRY THIS COLLECTION

**ZINNIA.**

One of the most brilliant annuals, and a general favorite; its splendid double flowers rivaling in beauty, size and form moderate sized Dahlias.

**DOUBLE SNOWBALL**—Double, pure white, dwarf and compact ..... 5

**DWARF FIREBALL**—Double fiery-scarlet ..... 5

**COLDEN YELLOW**—Flowers large, of perfect shape and of a clear golden-yellow ..... 5

**CARNATION STRIPED ZEBRA**—Perfect form, beautifully imbricated, double; finely striped ..... 5

**GIANT FLOWERING**—Grows a handsome bush, three feet in height, and the mammoth, perfectly formed double flowers, 5 to 6 inches across, of most intense and brilliant colors. **Mixed** ..... 10

**DOUBLE MEXICAN (Haageana)**—Of decided merit; of candelabra form, close and vigorous in habit, nearly covered with pretty golden yellow double flowers. **TRY THIS** ..... 10

**DOUBLE LILIPUT**—Dwarf, compact bush covered with flowers of fine form, smaller than those of the ordinary Zinnia; flowers borne on long stiff stems; valuable for bouquets ..... 10

**DOUBLE LARGE-FLOWERING**—Mixture of many colors; fine strain ..... 5

**DOUBLE POMPON (Darwini)**—Charming, small very double flowers, excellent for florist's use. **Finest Mixed** ..... 5

**DOUBLE DWARF MIXED**—Compact bushes, 12 inches high, 14 inches in diameter.

SIX 5-CENT OR THREE 10-CENT PACKETS FOR 20 CTS.

**SPECIAL MIXTURE OF FLOWER SEEDS.**

Much pleasure is derived from

watching the growth of a mixed bed of flowers. The mixtures are made from choice fresh seeds and can not fail to give satisfaction. The packets are liberal in size, and in no other way can so many seeds be obtained for so little money.

**Mixed Everlastings**—A great variety of attractive Everlastings. Large pkts. 3 for 25c. 10

**Flowers for Bouquets**—This mixture contains seeds producing flowers suitable for cutting for vase and bouquets, nearly all having long stems, and will furnish a constant supply of cut flowers throughout the whole season ..... 10

**Low-Crowing Mixture**—Contains seeds of a great variety of low-growing plants, few of which exceed six inches in height, and which sown in beds or borders, present a beautiful appearance in their wide range of colorings and forms ..... 10

**Tall-Crowing Mixture**—Embraces seed of many handsome tall-growing annuals ..... 10

**Foliage Plant Mixture**—Made up entirely of plants which are grown exclusively for their beautiful variegated, silver, golden and bronze foliage ..... 10

**Fragrant Annuals**—A mixture made from seeds of fragrant flowers, giving rich perfume throughout the day and evening; some are suitable for cutting ..... 10

**Mixture of Climbers**—A packet of seeds containing over twenty beautiful annual climbers, useful for covering out-houses, trellises, etc ..... 10

**60 Cts.—TRIAL BOX OF FLOWER SEEDS.**—60 Cts.

20 CHOICE VARIETIES. Free by Mail for SIXTY CENTS.

This Box contains TWENTY FULL-SIZED PACKETS of the most popular and beautiful Annual Flowers, including the Best Strains of Asters, Pansies, Phlox, Zinnias, Pinks, etc. Also Fragrant and Other Flowers for bouquets. The assortment affords a great variety at a very low price, and includes a careful selection of choice and popular kinds.

THREE OF THESE COLLECTIONS FOR ONLY \$1.50.



VINE OF APIOS TUBEROSA.

**APIOS TUBEROSA.**

A hardy, tuberous-rooted climber, closely resembling the common Wistaria in vine and foliage, and having clusters of deep purple flowers, which have a strong violet fragrance. Plant the bulbs near a trellis, fence, tree or any place where you may wish a climber. They grow to a great height and bloom profusely. The bulbs are perfectly hardy and need not be taken up over winter. A vine so sure to grow and give satisfaction should be in every garden. Each, 10c.; 3 for 25c.; 7 for 50c.; 15 for \$1.00.

**BIGNONIA RADICANS.**

(Trumpet Flower.)

Rapid growing climber. Large, scarlet, trumpet-shaped flowers. Each, 25c.

**CYCLAMEN.**

This well-known plant is only adapted for house culture in our climate, but for winter flowering it has but few superiors. Plant in rich, light soil, and water sparingly until it begins vigorous growth, after which it may be treated like other house plants. The pretty variegated foliage and bright flowers, together with its long blooming season, render it a favorite wherever grown. Each, 20c.

**BEGONIAS**—Tuberous Rooted.

One of the handsomest of our summer flowering bulbs. Their colors are rich and varied, ranging from delicate yellow and salmon to the most striking crimson. A constant bloomer, commencing to flower early and continuing in full bloom until frost. They grow best if planted in partial shade in a soil composed of leaf mold, sand and a small portion of well-rotted cow manure. They also make splendid specimen plants when grown in pots. When through flowering they should be dried off, shaken free from earth, packed in charcoal dust or dry leaf mold and kept in a dry room until February or March, when they may be started again. \$2.50; one each of the four colors for 75c.

**BULBS, Single**—Finest varieties, White, Scarlet, Pink and Yellow. Each, 25c.; dozen, \$1.50.**Single Flowered**—Finest mixed, each, 15c.; dozen, \$1.50.**Double Flowered**—Deep red, each, 35c.; 3 for \$1.00.**Double Flowered**—Finest mixed, each, 40c.; dozen, \$4.50.**GLOXINIAS.**

One of the choicest bulbs for pot culture; flowers trumpet-shaped, with the most beautiful tints and markings, shaded and spotted with violet, rose, blue or crimson. Plant in light soil and keep in a warm place. Fine bulbs. Each, 25c.; dozen, \$2.50.

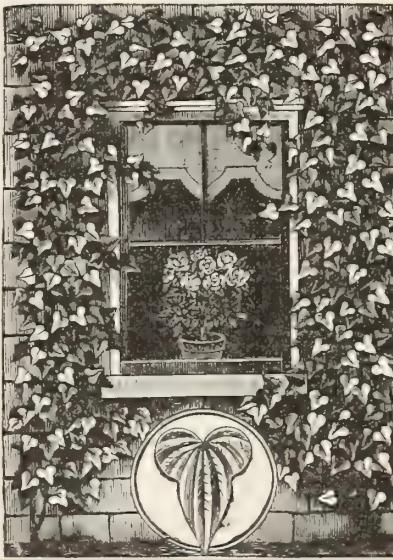
**HONEYSUCKLES.**

**CHINESE TWINING**—Blooms at intervals through the summer and retains its foliage late in the winter; flowers nearly white; quite distinct. Each, 15c.

**HALLEANA**—Color white, changing to yellow; very fragrant; blooms from June to Nov. 15c.**MONTHLY FRAGRANT**—Fine, rapid-growing variety; flowers large and very fragrant; color red and yellow; a constant bloomer. Each, 15c.**SCARLET TRUMPET**—A strong, rapid grower; blooms very freely the entire season; bright red trumpet-shaped flowers. 15c.

**MOON FLOWER**. A rapid growing vine, which will easily cover a surface of 25x40 feet during the season. At night and during dark days plants are covered with an abundance of large, pure white fragrant flowers, 3 to 4 inches in diameter. One of the most showy of the annual climbers. Fine plants ready May 10. Each, 25c.; dozen, \$2.50.

**SPIDER LILY**, (*Pancratium Caribaeum*)—This pretty Amaryllis-like flower is of easy culture, freely producing its clusters of large, white, delightfully fragrant flower. Plant in good, rich soil in pots, or in summer in the open ground; when through blooming, pot them and withhold water until next season. 20c.; 6 for \$1.



CINNAMON VINE.

**CINNAMON VINE.**

This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of the cinnamon. It is perfectly hardy, the stem dying down every autumn, but growing up again so rapidly in the spring as to completely cover any trellis or arbor very early in the season. It is as cultivated as the Maderia Vine. Grows 15 to 20 feet in an almost incredibly short time; one of the most desirable climbers. The tubers are two feet long at two or three years of age; white as flour. **Cool Roots**—10c.; 3 for 25c.; 12 for \$1.

**CALLA LILIES.**

**ETHIOPICA**—A fine old well-known house plant, with large, beautiful, pure white flowers long, yellow spathe and broad, glossy green leaves. Of easy culture, requiring an abundance of water and moderate heat during the growing season. Repot in September in fresh soil. Each, 25c.; dozen, \$2.25.

**SPOTTED CALLA**—Resemble White Calla, but is of a smaller habit. Leaves a glossy, deep green, with numerous white spots. Ornamental at all times, even when not in bloom. Each, 15c.; dozen, \$1.50. Extra large, 25c.; dozen, \$2.50.

**DWARF CALLA, "LITTLE GEM."**

It is indeed a "pigma" scarcely ever exceeding one foot in height, yet producing good sized flowers in great abundance. Bulbs of "Little Gem" exceedingly scarce. Each, 35c.



LITTLE GEM CALLA.

# CANNAS.

**BRENNINCSI**—Broad green foliage, ornamented with broad bands of yellow; constant variation. Each, 20c.

**HEMANNI**—Distinct; large oval soft green leaves and immense carmine-red flowers, on long stems; each of the smaller branches bear about twelve flowers; height, 5 to 7 feet. Each, 20c.

**NOTONI**—Very large flowers of a brilliant velvety scarlet, produced freely in large spikes and side sprays; robust grower, with remarkably handsome foliage; a brilliant variety. 20c.; 6 for \$1.

**FLACCIDA (Butterfly Canna)**—Of dwarf growth, 2 to 3 feet, with very large pure yellow flowers, light green foliage. Blooms a month earlier than most others; excellent for bedding. Each, 20c.; 5 for \$1.00.

**Finest Mixed Varieties**—Good roots, 20c.; doz., \$1.75; by express, not prepaid, 15c.; doz., \$1.50. Varieties quoted at 20c.; are 3 for 50c.; doz., \$1.75.

## NEW DWARF FRENCH CANNAS.

The new varieties of Crozy's Dwarf Cannas are distinguished by the luxuriance and diversity of their foliage, but more particularly by the unusual size, profusion and brilliancy of the flowers. They are an indispensable adjunct to every well-ordered flower garden. Their charming colors and short, compact habit of growth will make them general favorites. Finest mixed, each, 40c.

**MAD. CROZY**—A grand variety, about 3 feet high, with flowers of unusually large size and fine rounded petals; color deepest vermilion distinctly gold bordered; the flower heads are double the size of a Gladiolus spike; the plant is always in bloom; in great demand for cut flower purpose. Very distinct and fine. Each, 50c.

**STAR OF '91**—Next to Mad. Crozy this was the sensation of last year in the way of new plants. The habit of the plant is **very dwarf**, about one foot less than Mad. Crozy, but with full fine foliage, each blossom is 4 to 5 inches wide, and each petal  $1\frac{1}{2}$  inches broad. Color of the flower is glowing orange scarlet. Their brilliancy is unsurpassed, and it never ceases growing and blooming. 35c.

**PERFECTION**—Foliage green; flowers golden yellow, spotted deep red; quite distinct from any of this type; 3 feet. Each, 40c.

**PRESIDENT CLEVELAND**—Of extremely dwarf growth, rarely exceeding 18 to 24 inches. Flower spikes very numerous, standing well above the foliage and support the largest salmon tinted flowers we have seen. Each, 40c.

**FRANCOIS CROZY**—Plant of vigorous growth, foliage green, spikes numerous, flowers great, petals large, roundish, color a beautiful vivid orange, edged with bright yellow. Each, 40c.

## DAHLIAS

The Daliah is one of the showiest of our autumn flowers. Commencing to flower in August, they are in a perfect blaze of bloom until stopped by frost in late autumn. The CACTUS SINGLE and PONPON varieties are especially fine for cut flowers. We know of nothing more showy for table decoration than a loosely arranged bunch of long stemmed Cactus or Single Dahlias. They delight in a deep, rich soil, should be planted three and one-half to four feet apart, and be tied to heavy stakes to prevent strong winds from breaking them down.

### DOUBLE FLOWERING.

For exhibition purposes the varieties offered in this list are admirably adapted. They should be liberally supplied with water and manure and kept in a growing condition.

**Beauty**—Pure white, fine large flower.

**Miss Dodd**—Lemon yellow, fine form.

**Clorie de Lyon**—Large, pure white.

**Fanny Purchase**—Bright yellow, very free flowering, early sort.

**Prince Bismark**—Purple, fine and large.

**Yellow Bird**—Beautiful canary yellow.

**Dr. J. P. Kirtland**—Dark red, very large, good form.

**Mrs. Wheeler**—Bright red.

**All the above, each, 25c.; 5 for \$1.00; 12 for \$2.25.**

Our selection of Unnamed Double Varieties, Red, Pink, Yellow Tipped, etc., 15c. each; \$1.50 dozen, by mail, prepaid.

**SINGLE DAHLIAS** have become exceedingly fashionable, owing to the value attached to the cut blooms; their airy, butterfly-like forms giving their flowers a grace never attained by the double sorts. Flowers range from three to five inches in diameter. Mixed colors. Each, 15c.; doz., \$1.50, (postpaid).

### CLEMATIS.

The justly proud queen of all climbers, with its large star-shaped flowers 4 to 7 inches in diameter, which are produced from June until October. Of rapid growth, it delights in rich soil and a sunny position. Perfectly hardy, and when well established is a most profuse bloomer.

**JACKMANII**—Dark purple. A very free bloomer, and the best known and most popular species of the Clematis. Hardy and healthy roots.

Strong plants, 60c.; very strong plants, 75c. each.

**LUCIE LEMOINE**—Fine double white. Each, 75c.

**MAD. VAN HOUTTE**—Pure white. Extra fine. Each, 50c.

**COCCINEA**—New, distinct variety, with brilliant scarlet flowers, small and thick; splendid acquisition. Each, 20c.

**HENRY II**—One of the best, of robust habit, free bloomer, large, finely formed, of a beautiful creamy white; perfectly hardy. Strong plants Each, 75c.; 3 for \$2.00.

**CRISPA**—Flower delicate shade of blue, small, very numerous; beautiful. Each, 25c.

**FLAMMULA**—Flowers small, white and very fragrant; ornamental foliage. Each, 20c.



FRENCH CANNAS.

## MADERIA VINE.

Succeeds in almost any soil; of easy cultivation; most excellent for baskets, vases or trellises. Leaves dark green; bears a small white, fragrant flower. Each, 10c.; 3 for 15c.; dozen, 50c.

## LILIES.

The Lily is a favorite flower everywhere, a Queen of Flowers, and only the Rose can dispute its claim to queenly honors. Their culture is simple, and with a little care failure is impossible. The bulbs should be planted in the autumn, if possible, from first of October, as long as the soil can be worked; if in spring as soon as the frost is out of the ground until first of May—the earlier the better. Select a well drained spot, dig the soil deep, and make it fine, enriching it abundantly with very rotten cow manure and adding a liberal mixture of sand. Set the bulbs from 3 to 5 inches deep, according to size. During the winter cover the surface of the bed with a thin layer of manure, which will not only afford a protection to the bulbs, but will materially enrich the soil. In spring the manure may be removed or dug in between the rows. Care should be taken that they have proper drainage, no water being allowed to stand around the roots. **Prices include postage.**

**AURATUM** (The Gold Band Lily of Japan)—Large white flowers, each petal marked with wide gold band spotted with maroon. A fine bloomer and considered by many the best of all. Fine bulbs, each, 30c.; 3 for \$1.00; dozen, \$3.00. Extra large bulbs, each, 50c.; 3 for \$1.25; dozen, \$5.00.

**HARRISII, or Bermuda Easter**—A profuse bloomer; flowers large white trumpet-shaped and very delicately fragrant; perfectly hardy; earliest of all; unequalled for house culture. 20c.; 3 for 45c.; dozen, \$1.25.

**SPECIOSUM ALBUM**—Pure white, fragrant. 35c.; 3 for 90c.; dozen, \$3.50.

**SPECIOSUM ALBUM PRAECOX**—White, slightly rose-tinted; perfectly hardy. Each, 35c.; 3 for 90c.; dozen, \$3.50.

**SPECIOSUM RUBRUM**—Rose, spotted with crimson. Each, 20c.; 3 for 50c.; dozen, \$1.50.

**TIGRINUM fl-pi**—Double Tiger Lily. Each, 15c.; 3 for 40c.; dozen, \$1.50.

## WISTERIA.

Very popular, hardy, rapidly growing to a height of 50 feet or more. It flowers in early spring, and when in bloom is truly magnificent.

**SINENSIS**, Blue—Color soft lavender blue. Flowers in masses like a bunch of grapes. Fragrant. 35c.

### SINENSIS—White

Pure white color, making a marked, striking and elegant contrast with the blue variety. Each, 35c.



CLEMATIS JACKMANII.



## PLANTS BY MAIL. \$1 COLLECTIONS.

These are not just mere rooted cuttings, but well started plants which will grow right along with ordinary care, and when danger of frost is over can be set out in the garden at once. They are put up so they can be sent by mail to the most remote part of the United States, and will stand a ten days' journey with perfect safety.

We will send Half of One Collection and Half of Another when desired, but no other change can be made. No order for plants will be filled for less than \$1.00.

**Selection of Varieties Must be Left to Us**—We will, in all cases, send choice, popular varieties of plants that cannot fail to please. All plants are plainly labeled.

For \$1.00 we will send any One Collection, postage paid; Six Collections for \$5.00, or Thirteen Collections for \$10.00. Please order by NUMBER only.

1—15 Varieties Ever-Blooming Roses.	15—8 Summer or Tender Vines.
2—15 Choice Double Geraniums.	16—7 Monthly Roses and 7 choice Geraniums.
3—15 Choice Single Geraniums.	17—12 Choice Hardy Phlox.
4—8 Choice Sweet-Scented Geraniums.	18—15 Choice Chrysanthemums.
5—12 Choice Heliotropes.	19—8 Choice Greenhouse Plants.
6—12 Choice Lantanas.	20—16 Choice Pansies.
7—15 Choice Coleus.	21—20 Choice Verbenas.
8—10 Splendid Double Petunias.	22—8 Hardy Herbaceous Plants.
9—12 Choice Basket Plants.	23—3 Bouvardias, 3 Lantanas, 3 Heliotropes, 3 Coleus.
10—15 Choice Fuchsias.	24—2 Double Petunias, 2 Dble Geraniums, 6 Single Germs.

11—15 Choice Monthly Carnations.

12—6 Choice Foliage Begonias.

13—10 Choice Blooming Begonias.

14—6 Choice Hardy Vines.

25—2 Double Violets.

6 Pansies, 6 Monthly Carnations.

26—8 Verbenas, 8 Double Petunias.

27—2 Double Geraniums, 2 single Geraniums, 2 Single Petunias, 6 Verbenas.

28—6 Choice Hibiscus in variety.

**NOTE**—Sometimes when seeds and plants are ordered together, we send the seeds at once and the plants follow a day or so later.

## ★ A 50c. STAR BULB COLLECTION. ★

We will send POSTPAID for only FIFTY CENTS

Three Choice Large Pearl Tuberose Bulbs.

Six Extra Fine Gladioli Bulbs.

One Select Large Caladium Bulb. One Aplos Tuberosa.

## TUBEROSES.

One of the most delightfully fragrant and beautiful summer flowering bulbs. The flowers are waxy white, and the sweetest scented that grows. The growing plant is fond of light and heat; should not be planted outside before April 1. If planted in five or six inch pots and sunk in the ground late in autumn, they may be taken in doors for flowering.

Our Tuberoses are grown and cured with the greatest possible care.

**Tall Double**—Free bloomers. BY MAIL (postpaid), each, 10c.; 3 for 25c.; doz., 75c.

**Double Dwarf Pearl**—Flowers large size and very double. The favorite among florists.

**MAMMOTH BULBS (postpaid)**, each, 10c.; 3 for 25c.; doz., 80c.

**SPECIAL PRICES TO LARGE BUYERS.**

## GLADIOLUS

These fine summer or fall flowering bulbs produce blooms which embrace every shade of color, and some of them are marvels of beauty. Great improvements have been made in this flower during the past few years. They are of the easiest culture and produce their brilliant spikes the first year. As soon in the spring as the ground is sufficiently warm and dry, make plantings at intervals of two weeks during the spring months, whereby a succession of bloom will be had. In the fall the bulbs can be taken up and stored over winter in any dry place.

**PREPAYMENT—Lots of 12 or less go prepaid. Prices of larger lots do not include transportation charges.**

**Mixed Gladioli.**—The bulbs we offer are of the finest quality, and no better mixtures can be had where fine colors and distinct markings are desired.

### GLADIOLUS—All Colors.

PER 3. DOZ. 50. PER 3. DOZ. 50.

10c. 25c. 75c. 12c. 35c. \$1.10

### GLADIOLUS—Separate Colors.

Red, of various shades ..... 10c. 25c. \$ .75 Pink ..... 15c. 50c. 1.40

White and Light, none dark ..... 15c. 50c. 1.50 Striped and Variegated ..... 15c. 50c. 1.30

Yellow ..... 15c. 50c. 1.50 Salmon ..... 15c. 60c. 1.50

**Lemoine's Hybrid**—This brilliant class is distinguished by the rich and vivid coloring of its flowers, which reaches its climax in the blotch, and is the typical and remarkable feature of this variety.

**Fine Mixed Varieties**, each, 6c.; 3 for 15c.; dozen, 60c.

**Extra Fine Mixed**, each, 10c.; 3 for 25c.; dozen, 90c.

**NEW SNOW WHITE GLADIOLUS**—Undoubtedly the best White Gladiolus. Flowers are of fine shape, large in size, and of a pure white. A good grower. Bulbs strong, in many cases producing three spikes from each bulb. To get the largest flowers and spike, only one spike should be allowed to grow. Each, 20c.; 6 for \$1.00.

**Named Gladiolus**—We offer the following selection of choice **named** varieties at the low price of **10 cents each, or \$1.00 per dozen**.

**Angela**—Large, showy, white flowers.

**Charles Dickens**—Delicate rose, tinted buff, flamed and striped carmine-rose.

**Cleopatra**—Soft lilac, shaded violet, purple blotched.

**Cen. Sheridan**—Fire-red, white lines and blotch.

**Hesperide**—Blotched, rosy-salmon on white.

**Isaac Buchanan**—Pure yellow. A beautiful flower.

**John Bull**—White; slightly tinged with sulphur.

**Martha Washington**—Light yellow, tinged rose.

**Romulus**—Brilliant dark red, pure white blotch.

**Shakespeare**—White, suffused carmine-rose, large rose blotch.

Bulbs for Fall Planting, Dutch Hyacinths, Tulips, Lilies, etc.

## ★ A \$1.00 STAR BULB COLLECTION. ★

ALL POSTPAID FOR ONLY ONE DOLLAR.

Six Extra Fine Tuberoses.

One Choice White Dahlia.

Ten Select Mixed Gladioli.

Two Aplos Tuberosa.

One Fine Large Caladium.

One Cinnamon Vine.

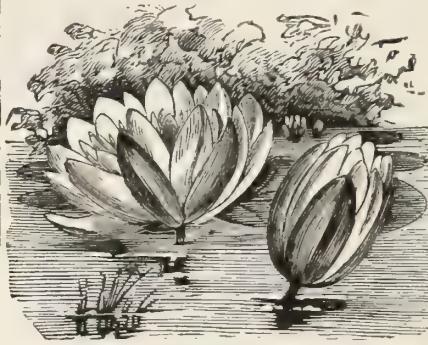
## WHITE WATER LILY.

**NYMPHEA ODORATA** is universally admired on account of its large, fragrant white flowers. Perfectly hardy, requiring no cultivation. Plant in pond, sluggish stream or tub, 18 inches to 2 feet deep, cover the root with about two inches of rich loam, swamp muck or leaf mould, and fill with water; store the tub in a cellar over winter to prevent freezing; turn off the water only before removing to the cellar. Strong roots, prepaid, each, 25c.; 5 for \$1.00.

## LILY OF THE VALLEY.

No garden is complete without a few clumps of these fragrant flowers which are such universal favorites as to need no description.

**Strong Flowering Pips**, doz., 50c.



NYMPHEA ODORATA.



GLADIOLUS "SNOW WHITE."

Please send now for Catalogue of Fall Bulbs, ready Sept. 1. Mailed FREE.

## PLANT BED CLOTH.



A protecting cloth of Water-proof Fibre; an excellent substitute for glass in forwarding all kinds of plants in early spring; safer, as it protects at night, and the plants will not burn if the sash is left on in hot weather. Being light and portable it can be sent into sections where it would be difficult to get sash. We sell thousands of yards of this cloth annually, and customers are well pleased with it. All pieces are a yard wide and contain from 40 to 60 yards each.

**PRICES**—*Heavy grade*, per yard, 12c.; *by the piece*, per yard, 10c. *Medium grade* (best for general purposes), per yard, 10c.; *by the piece*, per yard, 8c. *Light grade*, per yard, 5c.; *by the piece*, per yard, 4c.

**MAIL PRICES**—Customers at a distance who wish to try a few yards can have it sent by mail, postpaid, as follows: *Light*, 8c. per yard. *Medium*, 15c. per yard. *Heavy*, 20c. per yard. Samples mailed free on application.

## FERTILIZERS, ETC.

As there is now very strong competition in Fertilizers, we prefer to make a special price to parties wanting it in ton or car load lots.

**PURE GROUND BONE**—A first-class article and an excellent fertilizer for grass, land, wheat, etc., but does not give as quick results as phosphates. 5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50; bbl. of 250 lbs., \$5.00; 4 bbls. for \$18.00.

**PURE DISSOLVED BONE PHOSPHATE**—Stands without a rival as the largest crop producer at the smallest outlay. Bag of 200 lbs., \$3.50; five bags or over, per bag, \$3.00.

**OUR LAWN FERTILIZER**—See Lawn Seed Department, page 57.

**NITRATE OF SODA**—For early vegetable crops, especially where leaf growth is desired, it will produce wonderful results. As the market fluctuates, these prices are **liable to change without notice**. 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.25; 200 lbs., \$8.00.

**LAND PLASTER, or GYPSUM**—Excellent to mix with Paris Green at the rate of 100 lbs. of plaster to 1 lb. of Paris Green. 40 lbs., 50c.; 100 lbs., \$1.00; bbl. of about 350 lbs., \$2.50.

**CRUSHED OYSTER SHELLS**—Manufactured from good clean shells. All poultrymen use it. 25 lbs., 50c.; 100 lbs., \$1.50; bbl., 325 lbs., \$3.25.

**COARSE GROUND BONE**—About the size of wheat or cracked corn, and should be kept within access of poultry. 25 lbs., \$1.00; 100 lbs., \$2.50; 200 lbs., \$4.75.

**BOWKER'S PLANT FOOD (for House Plants)**—Perfectly odorless and clean. Each package contains a pamphlet on the treatment of house plants, with directions for applying the fertilizer. By express, per package, 25c.; per dozen, \$2.50. By mail, postpaid, box, 40c.

INSECTICIDES, FUNGICIDES, ETC.  
SLUG SHOT.

TRADE MARK.  
Non-poisonous; no danger need be apprehended by the person applying it, nor will it injure chickens or animals should they eat it, unless in large quantities. It does not render injurious the vegetables and fruits on which it is applied, and yet it is probably the best insect destroyer ever offered for the destruction of potato bugs and all worms

and insects. It comes ready to be applied, and is simply dusted lightly on so that it reaches all parts of the plants. For further information send for "Fighting Insects in the Garden." Sent free. Our sales of **Slug Shot** double annually.

**PRICES**—Barrels, holding 235 lbs. net, 4c. per lb.; 100 lbs., \$4.25; 50 lbs., \$2.25; 10 lbs., 50c.; 5 lbs., 30c. By mail, postpaid, 1b., 30c.; 3/4 lbs., \$1.00. Tin canisters containing 1/2 lb., with perforated top that unscrews, so it can be filled again, 2c. each; by mail, 45c. each.

**Dusters for Slug Shot or other Powders**—1/2 gal. size, 30c.; gal., 50c.

**Bellows for Slug Shot or other Powders**—Medium size, \$1.25; large, \$2.00.

**HAMMOND'S GRAPE DUST**—For the prevention and destruction of mildew on plants. **Prices**—5 lb. package, 35c.; kegs of 100 lbs., \$5.00. By mail; postpaid, 30c. per lb.

**TOBACCO DUST**—Very effective; much used on Cabbage. 1b., 10c. (by mail, 30c.). By express, 10 lbs. 50c.; 25 lbs., \$1.00; 100 lbs., \$3.25.

**PARIS GREEN**—1/4 lb., 15c.; 1/2 lb., 20c.; 1b., 35c. By mail, 15c. lb. extra.

**TOBACCO STEMS**—For fumigating plants infested with green fly, etc. Per lb., 15c.; bbl., \$1.00.

**TOBACCO AND SULPHUR**—Destroys Rose Bugs, Lice, Cut Worms, Vine Bugs, Tomato Worms, Currant Worms, Cabbage Lice and Parasites of all descriptions. Should be applied when the foliage is wet. Also a most complete fertilizer for plants and vines. Mix thoroughly with earth in pots, or in the hill, one part powder to five parts earth. Easy to apply, and will not burn or injure the plants. Makes dark green foliage and healthy, vigorous growth. Valuable for hot-houses, nurseries, etc. No weed seeds in it. Earthworms will not live where it is used. Trial package, 1/2 lb., 25c.; 2 lbs., 75c.; by mail, prepaid.

W. S. POWELL & Co., the well-known Fertilizer manufacturers, having given us the agency for the Fungicides and Insecticides manufactured by themselves, we offer the following at their prices:

**GUICIDE POWDER**—For Potato Blight, Potato Rot, Grape Vine Flea Beetle, Potato Bugs, Pear and Cherry Slugs, Codling Moths, Cuculio and Strawberry Crown Borers. Can be used either dry or in solution. 25 pound box, \$1.50.

**COPPERDINE**—For Black Rot, Downy Mildew and Anthracnose of the Grape, Pear Leaf Blight, Pear Scab, Apple Scab and Powdery Mildew. One Gallon Cans (making 100 gals. wash), \$1.50.

**BORDEAUX MIXTURE**—For Black Rot, Downy Mildew and Anthracnose of Grapes, Potato Blight, Potato Rot, Leaf Blight of Cherry, Pear, Quince, and other Fungus diseases. 20 lb. package (50 gals. wash), \$1.00.

**KEROSENE EMULSION**—For Plant Lice of any kind, Cabbage Worms, Scale Insects on Apple, Pear, Orange, Lemon, and other trees. 5 gallon buckets (makes 75 gals. wash), \$1.25.

**QUASSINA**—This is a concentrated Fluid Extract Quassia, held in suspension by Whale Oil Soap—a cheap and reliable non-poisonous Insecticide for Hop Lice, Aphids, and all scale Insects; nothing better for Rose Bushes and House Plants. Quart Cans (50 gals. wash), \$1.00; 2 Gallon Cans (200 gals. wash), \$2.50.

**CARBOLIZED SOAP**—For Peach, Apple and other tree borers, also for washing trees to prevent attacks of animals or vermin. 1 Gallon Can, (makes 12 gals. paint), \$1.00.

**SULPHO-STEATINE POWDER**—For Lettuce Mildew, Powdery and Downy Mildew of the Grape, Rose Mildew and other Fungus Diseases affecting plants under glass. 25 lb. box (used as a dust), \$2.00.

**PYRETHRUM, or PERSIAN INSECT POWDER**—Very destructive to all kinds of insects, such as roaches, ants, fleas, and other insects on plants and animals. A very little will do the desired work. Oz., 10c.; 1/4 lb., 1b.; 1b., 50c. By mail, 15c. lb. extra.

**WHALE OIL SOAP**—Makes an excellent wash for trees and plants, kills insects and eggs on the bark. 1b., 15c. (by mail, 30c.). By express, 2 lbs., 25c.; 5 lbs., 50c.; 10 lbs., 90c.

**WHITE HELLEBORE**—For destroying rose slugs and currant worms. 1b., 15c.; 1b., 40c. By mail, 15c. lb. extra.

**DOG SOAPS**—Either Spratt's or Glover's, cake, 25c. (by mail, 30c.)

**MEDICINE AND FOOD FOR DOGS, BIRDS, ETC.**—Write for what you want.

## SPRAYING OUTFITS.

**HOWE SPRAYING MACHINE**—One of the best machines on the market to-day for the money. It is a very strong and durable force pump with nickel-plated brass cylinder 3 1/4 inches in diameter, attached to a strong 30 gallon cask mounted on a light two wheeled carriage. Nicely balanced; one person can wheel and handle it.

**Plain Machine**, with 5 foot discharge hose, one nozzle with spray and fire tips. .... \$15.00  
**Pump**, without barrel or wheeled carriage, with 5 foot discharge hose, one nozzle with spray and fire tips. .... 8.00

**EXCELSIOR KNAPSACK SPRAYER**—Just the thing for gardeners and fruit growers for spraying Cabbage, Vines, Plants, etc., for bugs and rot. .... 12.00

**GARFIELD KNAPSACK SPRAYER**—Made entirely of brass and copper, copper tank holds 1.5 gallons, has brass pipe 15 inches long and Combination Vemorel nozzle attached. .... 12.00

**VENMOREL SPRAY NOZZLE**—Postpaid. .... 1.50

We can also supply Hose, Brass Pipe, Couplings, etc., at market rates; also some other Pumps, Sprayers, etc., at regular prices. **Send for Circulars.**

**LEWIS COMBINATION FORCE PUMP**—A Spraying Pump, Agricultural and Veterinary Syringe all combined. Works perfectly. **Only \$5.00.**

**SYRINGES**—**BRASS GREENHOUSE AND GARDEN SYRINGES** (See cut on page 80)—Useful for all horticultural purposes, and are fitted with caps or roses, for ejecting water in one stream or dispersing it in the most gentle manner, or with great force, when required. Specially adapted for cleansing plants and flowers from those destructive insects which are so injurious to them, by means of whale oil soap, tobacco juice, etc. Strongly made from the best quality of brass, finely polished, elegant appearance, not liable to dent or injure, and if properly cared for will last a lifetime.

**Sent only by express at expense of the purchaser.**

**Letter A**—One stream and one spray rose ..... \$2.00  
**Letter A-** " " " (unpolished) ..... 1.75

**Letter B-** " " " ..... 2.50

**Letter C-** " " " ..... 3.25

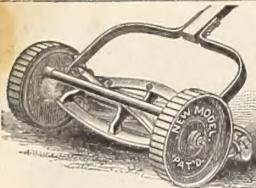
**Letter G**—(NEW SAMPLE)—A cheap syringe with Angle Joint, which will do the work of a more expensive syringe. Open rose syringe, barrel 16 in. by 1 1/2 in. diameter. One spray and one stream rose, side attachment and fixed elbow joint. The fixed elbow joint can be detached from the end of the barrel at will, and the syringe used in the ordinary way. .... 4.50

**Letter H**—Cheap, new, all brass, 18 x 1 1/2 inches; strong, durable, fills quick, discharges perfectly. .... 2.00

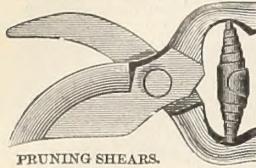
**Letter K**—Size smaller. .... 1.50

**THE HYDROSPRAYER**—**FOR USE IN THE ORCHARD, GREENHOUSE AND GARDEN**—A plain brass syringe; the barrel is 15x1 1/4 inches, with a stroke of 14 inches, and will hold a pint at a filling. The spray nozzle contains about 100 holes—three times the number in an ordinary syringe. It will reach every portion of a tree within 25 feet. Armed with one of these, a few pounds of **Bordeaux Mixture** and some Paris Green, a fruit grower is prepared to meet the enemies that threaten him. Price, \$5.00. Cyclone Nozzle \$1.00 extra.

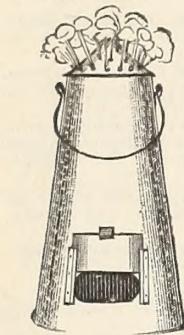
# SMALL GARDEN TOOLS.



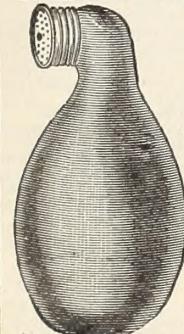
NEW MODEL LAWN MOWER.



PRUNING SHEARS.



EUREKA FUMIGATOR



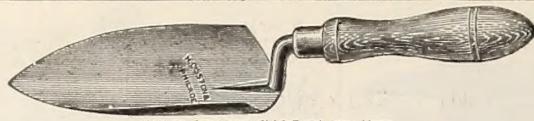
PERFECTION SPRINKLER



PUTTY BULB.



SCOLLAY'S HAND SPRINKLER.



SOLID SHANK GARDEN TROWEL.

## NEW MODEL AND RIVAL LAWN MOWERS. THE BEST MOWERS MADE.

For Simplicity, Durability and Quality of Work, they are unequalled. For Lightness of Draft they excel by a large percentage any other Mowers. SEND FOR CIRCULARS AND PRICE LIST.

**PRUNING SHEARS.** THE BEST MADE. Very strong. Best Steel Blades

and an excellent spring. Two sizes. Price, \$1.00 and \$1.25.

**GARDEN DIBBLE.** Postpaid, 50c. each. By Express, 25c. each, 6 for \$2.00.

**HAZELTINE'S HAND WEEDER.** In general use over the country. Blade is solid steel, tempered, seven-eighths inch wide and one-eighth inch thick, sharpened on all edges. Postpaid 30c. By Express, 20c.

**EXCELSIOR WEEDER.** A very useful tool for seed beds, stirring soil in hot-beds, cold frames, etc. By Mail, postpaid, 25c. By Express, 15c.

**THE BEE WEEDER.** For the care of Onions, Beets and small Vegetables, Flower Beds and House Plants, by means of which all grass and weeds can be easily removed. Universally recommended by all. Postpaid, 15c., 2 for 25c.

**PERFECTION SPRINKLER.** This is a Most Excellent Rubber Sprinkler. The spray may be forced in any direction with these side nozzle bulbs. Also made with straight nozzle as in Scollay's Sprayer. Both sizes in Black or White Rubber—either style for same price. No. 1—75c.; postpaid, 80c. No. 2—\$1.00; postpaid, \$1.10.

**SCOLLAY'S RUBBER HAND SPRINKLER.** Nickel plated perforated top; excellent for spraying seedlings and bouquets, or for sprinkling clothes. Small, holds  $\frac{1}{2}$  pint, 65c. Medium, holds  $\frac{3}{4}$  pint, 80c. Large, holds 1 pint, \$1.00. Postage 10c. each extra.

**EUREKA FUMIGATOR.** Made of the Best Galvanized Iron. For House 10x 20 feet.....\$1.25 | For House 15x 100 feet.....\$2.50  
For House 12x 40 feet..... 2.00 | For House 20x 100 feet..... 3.50

**BELLOWS.** Two sizes. Each, \$1.00 and \$1.25.

**POWDER GUN.** 15c. 4 oz. size, 25c. Postpaid for 5c. extra.

**GARDEN TROWEL.** Solid Shank. Best Made. 6-inch, 40c.; postpaid, 50c. 7-in., 50c.; postpaid, 65c.

**ORDINARY JAPANNED.** Tin cases. 7-in., 15c. 8-in., 20c. 10-in., 25c. 12-in., 30c.

**THERMOMETERS.** 8-in., 20c. 10-in., 25c. 12-in., 30c.

**WOOTHERSPOON WATERING POTS.** No Better Made. 2 gal. \$2.00.

2½ gal., \$2.25. 3 gal., \$2.50.

For glazing hot-bed and green house sash, etc., with liquid putty. One of the best labor-saving articles ever invented. Never a complaint. Price, \$1.00; postpaid, \$1.10.

**HYDRONETTE PUMP.** The Hydronette is invaluable for sprinkling flowers, watering lawns, washing windows, carriages, etc., and extinguishing fires. Very durable and can not easily get out of order. Has sprinkler and rubber hose attached. Destroys worms on grape vines, tobacco plants and potato vines. Com-mends itself to every farmer and householder. Throws a spray 20 feet or a stream 30 feet. Price, \$5.00.

## CLEVES' GARDEN TROWELS AND DIBBERS.

### STEEL ANGLE TROWEL.

No. 1, 8-in., (temper'd and polished).....	\$ .40	No. 1, Flat Blade 10x4 inches.....	\$1.25
No. 2, 7-in. Bright Steel.....	30	No. 2, Flat Blade 9x2½ ".....	1.00
No. 3, 5-in. Bright Steel.....	20	No. 3, Round " 8x1½ ".....	.80

Sent postpaid at the above prices.

**GLAZIER TWIN POINTS.** For holding glass in skylights and green-houses roofs. Far superior to the old mode of setting glass, as they will hold each glass in place, preventing them from slipping and causing binding and cracking. Each box contains 1000 points—500 rights and 500 lefts. Price, 35c.; by mail, postpaid, 45c.

**RAFFIA** anything else for tying plants, asparagus bunches, etc. Light, neat, strong durable and very cheap. Lb., 25c.; 10 lbs at 20c.

**WHITE COTTON TWINE.** For tying Herbs, Radishes, Beets, Celery, Onions, Salsify, etc. Lb., 20c.

**JUTE.** For tying Vegetables, etc. Lb., 15c. (Twine, Jute and Raffia sent by mail add 15c. per pound postage.)

## MISCELLANEOUS TOOLS At prices given goods go by express at buyer's expense.

**HALE'S MOLE TRAP.**—The best trap made—\$2.00.

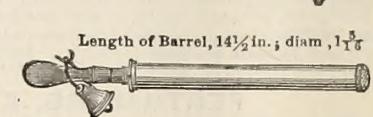
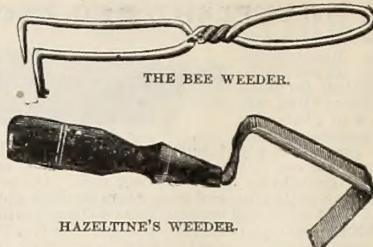
**GARDEN LINES.**—100 feet Braided Linen, 40c. Cotton, 25c.

**REEL.**—For Garden Lines. Small, 75c. Large, 85c.

**HOES (Scuffles).**—5-inch, 55c. 6-inch, 60c. 7-inch, 65c. Handles 15c. extra.

**GRASS HOOKS.**—30c.

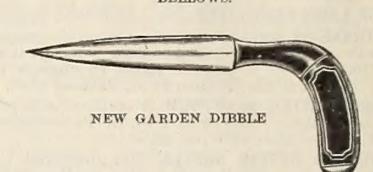
**EAGLE PRUNING SHEARS.**—The well-known two-handle Shears. Light and powerful. Without doubt the best made. No. 1, \$2.50. No. 2, \$2.25.



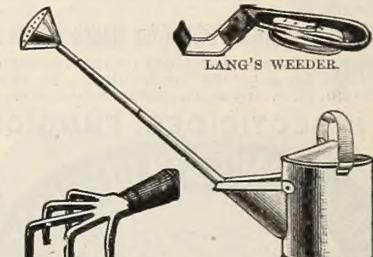
Length of Barrel, 14½ in.; diam., 1½ in.



BELLOWS.



NEW GARDEN DIBBLE



EXCELSIOR WEEDER.

WOOTHERSPOON SPRINKLER.



CLEVES' STEEL DIBBER  
FLAT BLADE 7 IN.



CLEVES' STEEL DIBBER  
FLAT BLADE 2 1/2 IN.



CLEVES' STEEL DIBBER  
ROUND 1 1/2 IN.



CLEVES' TRANSPLANTING  
TROWEL  
SOLID STEEL 6  
INCH BLADE

**KNIVES—BUDDING.**—75c. to \$1.25. **PRUNING.**—\$1.00 to \$1.40. **HEDGE SHEARS.**—Three sizes: \$1.50, \$1.75 and \$2.00.

**TELEGRAPH TREE PRUNER.**—No handle, but has threads on the inside of the socket and can be screwed to the end of a pole of any length. \$1.50.

**PRUNING SAW.**—Double edge. 16-in., 60c. 18-in., 70c. 20-in., 80c.

**PRUNING SAW AND CHISEL.**—Combined—\$1.00.

**TURF EDGERS.**—For trimming edges of walks—75c.

**THISTLE OR WEED CUTTERS.**—For cutting thistles, docks, or other weeds out of lawns, etc., without breaking the surface of the lawn. 50c.

BURLINGTON HYBRID TABLE CORN  
LARGE EARED EXTRA EARLY.  
PKT. 10 cts.

ORNAMENTAL POMEGRANATE  
SWEET SCENTED PKT. 10



NEBULA POTATO  
ONE POTATO  
15 cts.

WE SELL  
THREE SEEDS  
FOR 25 CENTS  
OR WITH ONE  
FOR 30 CENTS  
POSTAGE

LONG DIXIE WATERMELON PKT. 10 cts.



LIVINGSTON'S  
**TRUE BLUE**  
SEEDS  
A. W. LIVINGSTON'S SONS COLUMBUS O.

**LIVINGSTON'S TIP TOP NUTMEG.**

EXCELS ALL IN QUALITY.

EVERY MELON A GOOD ONE ..... PKT. 15c.

LIVINGSTON'S BUCKEYE STATE

TOMATO - (NEW FOR '93) THE LARGEST

SMOOTH VARIETY IN THE WORLD ..... PKT. 20c.

GOLD BALL TOMATO ..... PKT. 10c.

BRIGHTEST LONG SCARLET RADISH ..... PKT. 10c.

SWEET PEAS (FANCY MIXTURE) ..... PKT. 10c.

THE WHOLE COLLECTION ..... 65c.

for  
50c. POST PAID



BRIGHTEST  
SCARLET  
RADISH.

• 1893 •

LIVINGSTON'S NEW TIP TOP NUTMEG.